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Pages marked in blue "(copy)" and the seemingly important notes whether checked or not of which I have examined a good many are copied into "N.E.Birds, Systematic Notes. W.Brewster. Vols.1, 11, 111, 1865-1882."

The notes checked in pencil are not always copied.

Walter Deane, June 11, 1898.

References to systematic notes in all the Journals apply to New England Notes.

Walter Deane, June 11, 1898.

William Brewster.

Cambridge

Mass.

Nov. 21st 1865.

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1865

Eggs & Nests Found in 1865

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- April 15 Blue Bird. One egg in an olive jar in B. Deane's yard. The nest of a blue bird is usually made of hay. The eggs are four to six of a light bluish green, some of them being nearly white.
- " 19 White Bellied Nuthatch. Nest with seven fresh eggs. The nest was composed of corn stalks, bark, hay, leaves, and other substances. The eggs were cream colored (before being blown), spotted with pink. The female was a very faithful sitter; during the process of cutting upon the hole, she remained undisturbed on her eggs, although she was nearly covered with sawdust and chips. When the hole was sufficiently enlarged to admit my hand, she, frightened at the sudden appearance of it, tried to pass out between my wrist and the edge of the hole, upon which I drew out my hand supposing of course that she would come out, but on looking in again she was, sitting contentedly on the nest; so I thrust in my hand again and this time she came out.
- " 29 Song Sparrow. Nest with four eggs
- May 13 Baltimore Oriole. Saw one commencing to build its nest and watched it for some time; the nest however was deserted when about half built, probably from my watching it too closely.
- " 10 Blue Jay. Found a nest with five eggs; they were not perfectly fresh. D. French found a nest with 3 perfectly fresh eggs on the 7th of June.
- June 1 White Eyed Vireo. Found a nest with four fresh eggs. The nest was very deep, and was attached to the twig of a wild cherry tree, about three feet from the ground,
- July 19 Gold Finch. D. French found a nest with three fresh eggs
- May 30 Yellow Billed Cuckoo. Found a nest with one fresh egg

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B. Deane's List of the eggs of Mass. birds 1865

April 15 Blue Bird. Nest with one egg. Eggs hatched May 3rd.
Young ones left the nest May 18th.

" 19 White Bellied Nuthatch. Nest with seven fresh eggs.

" 24 Migratory Thrush or Robin. Nest with three eggs.

" 25 Blue Jay. Nest with one egg.

" 29 Song Sparrow. Nest with four eggs.

May 5 Golden Winged Woodpecker. Nest with one egg.

" 8 Purple Finch. Nest with one egg.

" 12 Cat Bird. Nest with one egg.

" 12 Chipping Sparrow. Nest with four eggs.

" 15 Cow Bunting. Egg found in nest of purple finch.

" 18 White Bellied Swallow. Nest with three eggs.

" 20 Yellow Warbler. Nest with one egg.

" 22 Least Pewee. Nest with one egg.

" 20 House Wren. Nest with three eggs.

" 4 Brown Thrush. Nest with five eggs.

Noted in my pocket diary for
1865 as found "Thursday May
4th or 11th" from the latter date is
too early to be probably W. B.

" 23 Black Billed Cuckoo. Nest with two eggs.

" 30 Baltimore Oriole. Nest with six eggs.

" 30 Bobolink. Nest with two eggs.

June 1 White Eyed Vireo. Nest with four eggs.

- June 1 Yellow Throated Flycatcher. Nest with six eggs.
- May 26 Red Eyed Flycatcher. Nest with eggs.
- " 30 Tyrant Flycatcher. Nest with four eggs.
- June 3 Cedar Bird. Nest with one egg.
- " 10 Swamp Sparrow. Nest with four eggs.
- " 10 Carolina Rail. Nest with six eggs.
- " Maryland Yellow Throat. Nest with four eggs.
- " 10 Wood Pewee. Nest with one egg.
- May 30 Yellow Billed Cuckoo. Nest with one egg.
- July 19 American Gold Finch. Nest with three eggs

List of the time of the arrival of the common spring birds, as seen by D. French ^{and myself} in the year 1865.

- Feb. 3 Cedar Bird. Large flocks were seen all day; towards night they all went off towards the N. West! They continued around in large flocks for several days and further back in the country they remained in immense flocks until quite late in the spring.
- " 14 Snow Bunting. Saw one flock in February and another some time in January. From the flock seen on the 14th I shot six. They fly in loose scattered flocks some of the individuals that compose them almost continually uttering their notes which usually begin with a note somewhat resembling that of a Ring necked Plover and end in a twittering sound varied occasionally by a chatter like that of a meadow lark. They frequent open grounds where

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the snow has been blown away leaving the earth bare and I found on opening their crops that they were filled with hard, round, black seeds. When upon the ground they feed in rather close flocks. They do not hop when on the ground like warblers and many other land birds, but walk much in the manner of the purple grackle.

- Feb. 15 Blue Jay. The last that I saw were in about the middle of November. The flock that I saw to day consisted of about eighteen individuals but they were very shy.
- " 22 Meadow Lark. Saw three. They were very shy probably on account of the snow being on the ground.
- " 22 Golden Winged Woodpecker. Saw one but it was very shy. They usually stay all winter, but did not appear to this year on account of the severity of the weather.
- " 18 Red & White Bellied Nuthatches. The red bellied nuthatch made the same hark as the White bellied but I have sometimes heard it make a chattering noise so much like a red squirrel that at first I took it to be that animal. The white bellied species always flies in a long curved line when passing from one tree to another but the red bellied nuthatch flies in zigzag lines often sounding its note while on the way, which I have never heard the white bellied do. I have never seen but one red bellied nuthatch in this vicinity and they appear to be rather rare here, but they are very abundant at the White Mts. where I shot three but I never have observed a bird of the other species there. Both species possess the power of running down the perpendicular limb of a tree, a feat which but few birds can accomplish.
- Feb. 22 Tree Sparrow. Saw a large flock of tree sparrows and song sparrows. The tree sparrows stay here through

the winter and in spring depart for their northern homes. In the latter part of winter they begin to utter a few sweet notes. The song sparrows remained with us all the winter and were generally found in company with the tree sparrows but they did not commence to sing until about the 13th of March.

- Mar. 2 American Goldfinch. Saw them last, about the 30th of November. I heard this bird to day quite plainly but did not see it.
- Feb 27 American Snow Bird. They usually stay all winter, but they did not appear to this year, probably on account of the severity of the weather. I shot one to day in a thicket of firs and saw a number of others.
- " 27 American Golden Crested Wren. Saw two and shot one.
- Mar 2 Blue Jay. Saw a large flock and shot one which I stuffed.
- " 8 Blue Bird. Heard one very plainly, and for some time. It was flying in a northerly direction.
- " 15 Song Sparrow. Heard by R. Deane on the afternoon of the 13th. Saw and heard them myself in the morning. I think that they usually begin to sing earlier in the season.
- " 15 Migratory Thrush or Robin. Saw one. It flew round in a large circle continually uttering its note and finally lit in M. b. St. Burn. Saw four more on the morning of the 16th. Some writers state that the bird remains through the winter in this vicinity but I am pretty certain from my own observation that this is incorrect.
- " 8 Wild Duck. Saw one following the course of Charles River, but I do not know what kind it was.

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Mar. 15 Red Winged Starling. Saw several single birds.

" 15 Purple Grackle. Saw large flocks of them all day. They generally flew in a northerly direction and appeared to be migrating.

" 19 Pewee Flycatcher. Saw one. D. French shot a bird of the same species on the 22nd.

" 20 White Bellied Swallow. Saw a pair circling around our yard. The weather was fair and the ther. at 63°.

" 20 Snipe. I had just shot a red winged starling when the snipe whistled by me. I could not tell what kind it was but I suppose that it was an english snipe.

" 20 Cat Bird. Thought that I saw one back of the brick yard but I think that I must be mistaken for I have not seen one since and to day is the 22nd of April.

" 22 Purple Finch. Heard it quite plainly but did not see it.

" 22 Red winged starlings, purple grackles, Robins, blue birds, song sparrows, and other spring birds in abundance.

April 8 Grass Finch. Saw two.

" 8 Yellow Red Poll Warbler. Saw two. I shot one, and D. French shot the other. They are now very numerous (April 22nd).

" 8 Crow black birds in flocks of fifty to one hundred and in pairs; red winged starlings in large flocks composed mostly of males with a few females intermixed; cow-buntings mostly in pairs but large numbers of them are mixed up with the red wings; pewee flycatchers in pairs and single; Robins, blue birds, song sparrows, and white bellied mallows in pairs though as many

as three pairs of swallows may be seen together. All the robins have probably come. Cow buntings were seen a little later than red winged starlings; golden winged woodpeckers are in pairs; chickadees are getting scarce and are seen no longer in large flocks; downy woodpeckers are seldom seen; snow birds are very numerous large flocks being almost always about; cedar birds are still in large flocks; blue jays are still in flocks but they steal silently through the thick woods; almost all the tree sparrows have disappeared.

- April 10 Belted Kingfisher. Seen skimming over Dr. Worcester's pond by D. French and in the same place by myself on the 11th.
- " 10 Chipping Sparrow. Heard it quite plainly in Mr. H's lot opposite to ours. I have heard many since but have seen none as yet.
- " 13 ^{Pine creeping} ~~Thrush~~ Warbler. Saw one in pine woods and shot it.
- " 13 ^{Hermit} ~~Wilson's~~ Thrushes. Saw two and shot them.
- " 13 Grass Finch. Saw a large number of them.
- " 15 Golden Crested Wren. Saw about a dozen in large woods in Waverly and shot two.
- " 15 Ruby Crowned Wren. Saw one in large woods in Waverly and shot it.
- " 19 American Barn Swallow. Saw one flying and heard it several times uttered its note.
- " 22 ^{Night} ~~American Bittern~~ or Heron. Saw one flying over within half range. They probably arrive much earlier.

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April 22. Yellow Crowned Warbler. Saw a pair. The only noise that I heard them make was a weak feeble chirp. I could have shot them easily had I had my gun. They have been very common for some time but they have finally disappeared for their northern home.

" 23 American Goldfinch. Saw a large flock of both sexes. There must have been at least fifty of them and they filled the air with their music!

" 27 House Wren. Saw one which entered several of my boxes.

" 26 Blue Yellow Backed Warbler. D. French shot one.

" 27 White Throated Sparrow. Shot one in our own garden.

" 26 Ruby Crowned Wren. Heard one chatter like a house wren.

" 29 Least Pewee. Saw one in our own yard.

" 29 Yellow Warbler. Heard three during the day.

" 29 Cat Bird. Saw one, probably the first of the season.

May 1 Yellow Throated Vireo. Saw one and shot it.

" 1 Maryland Ground Warbler. Saw one but did not succeed in shooting it.

" 1 Spotted Tattler. Saw three on the shores of Fresh Pond

" 7 Brown Thrush. Saw one and heard another. In the country they are often called thrasher and planting bird. They rank next to the mocking bird in the beauty of their song. They inhabit marshy and bushy tracts. They are reddish brown

above, and white beneath beautifully speckled with dark brown spots.

- May 7 Bank Swallow. Saw about a half-a-dozen around a sand bank.
- " 7 Chimney Swallow. Saw upwards of one hundred during the day.
- " 7 Baltimore Oriole. Saw two and heard one of them. Saw them in our own lot on the 8th.
- " 7 Small Hawk. Saw one flying but I could not ascertain what kind it was.
- " 8 ^{Warbling} Red Eyed Vireo. Saw them in our yard.
- " 8 Reed Bunting or Bobolink. Shot two males and heard and saw several more.
- " 12 Tyrant Flycatcher or King Bird. Saw two. Saw another pair on the 13th.
- " 13 Cuckoo. Heard one plainly.
- " 13 Ground Robin. Saw two.
- June 14. Rose Breasted Grosbeak. Saw two a male and female in Belmont. Their note is scarcely distinguishable from that of a Baltimore Oriole only more prolonged and flute like.
- May 14 Indigo Finch. Saw two males.
- " 14 American Redstart. D. French saw one.
- " 18 Cedar Bird. There was a large flock in our yard.
- June 7 Scarlet Tanager. Saw a male and female. We heard them.

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make no noise.

- June 3 Great Horned Owl. Saw one in a large swamp. ^[the old Pine Swamp] It made a noise like the barking of a small dog only much hoarser. It was easily approached and I might easily have shot it had I had my gun. I understand that another boy found the nest; it was placed in the high crotch of a pine tree and contained five young birds. ^[As I recall it now (1884) it must have been either Syrnium nebulosum or Asio wilsonianus]
- " 22 Ruby Throated Humming Bird. Saw one. Several have been seen a few days before. They arrived much later this year than usual.
- July 7 Downy Woodpecker. Heard one quite plainly in our yard. Heard another on the 8th.
- " 1 White Breasted and Red Bellied Nuthatches. Saw several of the former and one of the latter in our yard about this time.
- " 11 Crow Blackbird. Saw large numbers of them in loose scattered flocks; they were flying high in a northerly direction and were evidently migrating. I have seen them since for nearly a week but always in the same order and in the same direction.

List of birds seen by myself in the month of August 1865, in the Franconia Glen. N. H.

Plentiful

Scarce

Red Bellied Nuthatch	American Crow
Cedar Bird	Migratory Thrush
Common Crossbill	Chimney Swallow
Golden Crested Kinglet	Night Hawk
Wood Wren	Passenger Pigeon
Yellow Throated Warbler	

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Yellow Warbler
 American Redstart
 Black & White Creeper
 American Snow Bird
 American Brown Creeper
 Belted Kingfisher
 Blue Jay ^[Golden]
~~Bald Headed~~ Eagle
 Spotted Sandpiper
 White Throated Sparrow
 Song Sparrow
 Maryland Yellowthroat
 Downy Woodpecker

List of the time of the arrival of the common winter birds and of the departure of the summer birds in the year 1865.

- Oct. 14. Ruby Crowned Kinglet. One was shot in our yard but it was spoilt for stuffing.
- " 14. Hermit Thrush. Saw two; they were rather shy.
- " 14. Little American Partridge or Quail. Scared up two. They made no noise.
- " 13. American Golden Plover. Frightened up one from a small marshy pond, but he was out of range.
- " 7. Sora or Carolina Rail. Shot one and stuffed it. It appeared to be swimming in the water like a duck. I watched one closely on the 11th. It would walk along the edge of the water like a sandpiper only rather more slowly and deliberately but if it came to any small inlet it seemed to prefer wading through to going around by land. It continually jerked its tail upwards as it walked and once flapped its wings. It disappeared finally in some rank rushes.

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- Oct 10 English Snipe. About sunset they commenced making harsh grating sounds following each other in quick succession and at about dusk the pair rose high into the air uttering a succession of softer sounds and flying off in the direction of Charles River where they doubtless fed during the night.
- " 9 Golden Crested Kinglet. Heard two plainly.
- " 13 American Brown Creeper. Heard two plainly and for some time in Grey's woods.
- " 15 White throated sparrows abundant, snow birds abundant, chipping sparrows very abundant, white breasted nuthatches not scarce, blue birds very abundant, least sandpipers not scarce (on Charles river), meadow larks very abundant, migratory thrush, extremely abundant, song sparrows very abundant, golden winged woodpeckers not scarce, downy woodpeckers not scarce, black cap titmouse not scarce, blue jays very abundant. cherry bird very scarce.
- " 14 Red Winged Starling. Saw a large flock migrating northward.
- " 11 White Bellied Swallow. Saw them migrating southward in loose, scattered flocks and quite low down. They flew in the usual manner now and then turning aside to catch an insect.
- " 17 Canada Goose. Saw eighteen migrating towards the south; they were flying in single file and very high.

- Nov. 9 Migratory Thrush or Robin. Saw several and heard them plainly; they were flying together at about dusk. I heard the last one on the 18th of Nov.
- " 4 Blue Bird. Heard one faintly but in order to be sure I imitated its note and it answered me several times. It was migrating and is (by at least two weeks) the last that I have heard.
- " 8 American Brown Creeper. They are now very numerous being almost invariably found in every flock of chickadees that comes along. About 10 o'clock in the morning as I was watching a brown creeper ascend one of our linden trees it uttered several times when it had got about ~~ten~~ feet high a low sweet warbling song. I was directly under it and as no other birds were near I am perfectly certain that it was the creeper that produced the song although I have never heard of a circumstance of this kind before.

List of the different kinds of birds seen by R. T. Kane in Shelbourne C. H. between Aug. 8th and Aug. 29th:

Cedar Bird. Rather abundant. I found one nest with eggs and another with full grown young ones; they were occasionally in flocks.

Gold Finches. Not very numerous.

Song Sparrow. Rather abundant.

Cat Bird. Not very plentiful.

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Purple Finch. Saw more females than males.

Barn Swallow. Not plentiful.

Blue Bird. Rather scarce.

Robin. Rather abundant.

Grass finches, chipping sparrows, and snow birds very abundant.

Tyrant Flycatcher. Plentiful.

American Crow. Very abundant. Though they seem to be mostly found in the woods.

Ruby Throated Hummingbird. Saw one

Wood Pewee. Heard one, but did not see it.

Chimney Swallow. Saw several pairs one of which appeared to be breeding for it flew in and out of a chimney nearly every day.

Spotted Sandpiper. Saw several flocks and some single ones

Bobolink. Saw only a few.

Ducks. Saw two flying very swiftly up the river. Heard of two flocks swimming up the river.

Night Hawk. Very abundant

Hawk. Saw several swoop at chickens and others soaring around the mountains.

Maryland Yellow-throats. Very scarce.

Night Heron. Rather scarce.

Ruffed Grouse. Abundant on the mountain.

Golden-winged Woodpecker. Not abundant.

Black-cap Titmouse. Not common.

Red-winged Starling. Not common.

Passenger Pigeon. Saw three.

Blue Jay. Very abundant.

Downy Woodpecker. Not scarce.

Yellow-bellied Woodpecker. Saw several.

White-breasted Nuthack. Saw one.

Wood Wren. Saw one.

Other accounts given by R. Deane of birds that he has seen.

July 23 Cow Blackbird. Saw a flock of about forty or fifty on a patch of ground where oats had been sown. On my approaching them they all took flight and lit on a tree at a little distance and on my coming near them again they flew off in a north westerly direction.

" 29 Gold Finch. Found a nest with young ones.

Sep 25 Blue Bird. I have seen considerable number flying through orchards and fields and alighting on trees and fences.

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Sept. 28 White Bellied Swallow. Saw a considerable number of them flying in a southerly direction and very high. They appeared to be migrating.

Nov. 4 Canada Goose. Saw about a dozen of them flying westward and extremely high.

" 15 Chickadees & brown creepers becoming quite numerous the past week.

List of birds seen by myself in the winter of the year 1865, with their respective dates and sundry notes on their habits &c.

" 18 Golden Crested Kinglet. They seem to be much more numerous this year than they generally are, and instead of being in pairs, as they were usually last year, they are almost continually around in families of a half-a-dozen or more. They hop through the branches chasing some unlucky insect, and after they have secured it, they renew their search, now and then emitting a rather feeble cre-cre-cre-ck very much like the note of the brown creeper, but rather more disjointed and feeble. Sometimes however when this bird is flying from one bush to another, it produces a faint lisping sound, instead of its accustomed note, but this almost always ceases, as soon as it reaches the branch for which it has directed its flight. Sometimes two of them may be seen engaged in battle, and then is the time that they appear to the most advantage. They erect their beautiful crests, and flutter about, all the time uttering their notes but with much more rapidity and strength of

intolerance than on ordinary occasions, but in spite of all this parade, they never seem actually to fight, but try to intimidate each other.

- Nov. 18 Black Cap Titmouse. They are probably as numerous as they will be. Saw a large flock of them to day in Waverly wood, picking pine cones to pieces in search of insects.
- " 18 Common Crossbill. Saw a flock of about seven individuals flying just over the tops of the trees in Waverly woods. They are the first birds of the kind that I have ever seen in this vicinity, though they were very abundant among the Franconia mts. N.H.
- " 18 Common Snow Bird. Saw about fifteen or twenty in one flock in Waverly.
- " 18 Blue Jay. They seemed to be very abundant every where, but they were very shy.
- " 18 American Gold-finch. Saw large numbers of them during the day. They were either in loose flocks, or single.
- " 18 American Brown Creeper. They do not seem to be as numerous now as they were a week or so ago for in a long walk that I took to day I did not see one.
- " 18 Downy Woodpecker. They are not very numerous yet, though I heard one to day.
- " 18 Song Sparrow. Heard and saw several to day. Their note was only a single chirp.

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- Nov. 23 Canada Goose. Saw one flock of over a hundred and another of twenty three. They were migrating southward.
- " 24 Duck. Saw a flock of thirteen flying towards the south east and quite low down.
- Dec. 11 American Gold Finch. Saw two flocks in their dull winter plumage. They were feeding on the seeds of some tall rank weeds but on the least alarm they would all rise and light on some tree near, but if all remained quiet they would speedily flock down again.
- " 17 American Golden-crested Wren. Saw considerable numbers of them during the day.
- " 17 Black-cap Titmouse. Saw a dozen "or so."
- " 17 Common Snow Bird. Saw about twenty of them. They were searching on the ground for food, but they were so shy that I did not succeed in shooting any. I saw in company with the flock either a song or tree sparrow, but I am not sure which.
- " 22 Fox Colored Sparrow. Saw three and shot one. They were in company with a flock of snow birds and are the first that I have seen this winter.
- " 30 Snow Bunting. Saw a large flock of them and watched them for some time. They uttered no sound except a low chattering note and that only when they were flying.

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Dec. 30 Herring Gull. Saw large numbers of them some of which were flying and others floating on the water.

" 30 Great Black-backed Gull. Saw one flying and I could easily tell it by its ~~black~~ wings and back and its white head and tail; it was flying and I watched it for some time.

Birds seen by myself and friends in the year 1866

Jan. 25 Snow Buntings. Saw ten of them but as I did not have my gun I could not shoot any.

" 26 American Brown Creeper. Saw one ascending the trunk of an elm tree; I have not seen any before for nearly a month.

" 29 Snow Bunting. Saw a flock of a thousand or more flying; they feed at this season (as do also Snow birds, tree sparrows, and gold finches) on the seeds of certain tall ~~black~~ weeds and the snow where these weeds appear above the surface is covered with their footprints.

" 29 Snow birds. Saw ten of them feeding on the seeds of weeds and watched them for some time; they would leap upwards and seize the seeds uttering now and then their notes; sometime they would rise as if frightened by something and light on the nearest tree but if not further alarmed they would soon return to their occupation.

" 29 Tree Sparrow. Saw about ten of them also feeding on the seeds of weeds but not in company with either snow birds or snow buntings.

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- Jan. 29 American Gold-finch. Saw three of them flying in their usual sweeping manner from one tree to another; also one on the 31st
- " 29 American Golden-crested Wren. Heard several but they do not appear to be quite as common as they were a month or so ago.
- " 29 Black-cap Titmouse or Chickadee. Saw several to day and five or six on the 31st but they do not appear to be so common as they were last winter.
- " 29 Downy Woodpecker. Saw a very handsome male
- " 31 Snow Bunting. Saw a flock of about ten but they rose out of range.
- " 31 Cherry Bird. Heard a flock uttering in concert their usual call note; they were probably migrating for they passed over their favorite feeding grounds but how high they were I do not know for I did not see them but judging from the distinctness of the sound I ~~should~~ think that the mss have been quite low; they are the first that I have noticed and I have been on the look out for them.
- " 31 Blue Jay. They are not I think around now for I have been to their principal haunts; I suppose however that they will be along very soon.
- Feb. 3 Blue Jay. Saw one to day.
- " 3 Migratory Thrush or Robin. Saw twenty during the day and shot one. They make

the usual noise and also the one that they sometimes make when flying.

- Feb. 3. Shore Lark. Saw three in company with a flock of snow buntings feeding on a spot of ground where the snow had blown away and shot two; the only sound that I heard them make was a single clear whistle.
- " 3 Song Sparrow. Heard one apparently a last year's young one trying to learn to sing; it also made the usual harsh note.
- " 3 American Brown Creeper. Saw one ascending an apple tree.
- " 4 Migratory Thrush. Five or six, five more on the 8th and several more on the 9th seen by R. Deane.
- " 7 Snow Bunting. Saw a flock of about a dozen and shot three of them; they at one time lit in the middle of a thick apple tree, (where I shot one) then flew to another, and finally lit in an oak where they remained some time. I heard several on the 9th.
- " 1 Mottled Owl. One lit in a tree in R. Deane's yard where it remained about five minutes and then flew away; it came again on the 4th, lit on the same branch, remained about the same time, and again departed: they watched for it on the 5th and it came at the same time that it had previously (dusk) passed the tree that it had lit on before, and lit on an elm where it was shot: it fell winged and retreated under a thick bush but it was soon caught; when in this

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position it scratched furiously but although it threatened with its bill it did not actually bite.

Feb. 9 American Gold-finch. I have seen them during the past week nearly every day; saw about a half-a-dozen today.

" 10 Migratory Thrush. Saw twenty three in our yard where they remained all the morning feeding on the berries of a cedar tree; I heard distinctly, and for some time, a young one practicing the song used in the breeding season in which he succeeded pretty well.

" 10 Cherry Bird. In the morning I saw two feeding on the cedar tree in company with the robins but they disappeared before I could get a shot at them; about noon I saw a flock of a dozen or more sitting in one of our apple trees and killed two at a shot; about an hour afterwards I saw another flock of twenty or so, in one of our elm trees.

" 10 Snow Bunting. Saw about a dozen flying.

" 10 Shore Lark. Saw one flying and plainly heard it utter its note.

" 10 Snow Bird. Saw one flying.

" 10 Blue Jay. Saw one and heard several more.

" 15 Cherry Bird. Saw two

" 15 Bald Eagle. One was seen to fly over.

" 17 Migratory Thrush. Saw a flock of nearly fifty in company with a few cherry birds feeding

on some asparagus berries and I heard several of the old males singing the spring song; they were all of them very tame.

Feb. 17 Blue Jay. Saw one.

" 17 Snow Bird. Saw one flying.

" 17 Snow Bunting. I have not seen any for some time but I suppose that they have retired further north on account of the absence of snow here.

" 17 Hawk. Saw one probably a cooper's hawk.

" 20 Cherry Bird. Saw a flock of about sixty feeding on the berries of our cedar tree.

" 22 Migratory Thrush. Saw one flock of seven and another of about a dozen flying.

" 22 Snow Birds. Saw about a half a dozen.

" 22 Blue Jay. Saw one and heard several more.

" 22 Golden-crested Wren. Saw only one and they now appear to be getting rather scarce.

" 25 Red-winged Starling. A flock was seen to day.

" 26 Red winged Starling. Saw a flock of a dozen or so; they appeared to be all males and among their usual notes they sang the song used in the breeding season; part of the time they were feeding on the ground and they were very shy.

" 26 Cherry Bird. Saw at least five hundred during the day.

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- Feb. 26 Migratory Thrush or Robin. Saw about five hundred of them.
- " 26 Snow Bird. Saw a flock of about ten and shot one.
- " 27 Downy Woodpecker. Saw one.
- " 27 Tree Sparrow. Saw about a dozen of them in some bushes and killed two at a shot.
- " 26 Blue Jay. Heard and saw several also heard one on the 27th.
- " 24 Herring Gull. Saw thirteen flying over
- Mar. 1 Cherry Bird. Saw a large flock; it was snowing quite fast and a large number of the flock was in the air catching the flakes in the manner that they catch insects in summer a thing that I never heard of before.
- " 1 Migratory Thrush or Robin. Saw a large flock, as many as a half-a-dozen of the old males were singing at once and one of them particularly was a very fine singer.
- " 1 Song Sparrow. Heard two old males singing the spring song.
- " 1 American Gold-finch. Saw about fifty.
- " 1 Fox colored Sparrow. Saw one.
- " 3 Meadow Lark. Saw one and heard another.
- " 3 Golden-winged Woodpecker. Heard two and saw one of them.

- Mar. 3 Song Sparrow. Heard three singing.
- " 3 Red-winged Starling. Saw five in a swamp but did not hear them make any noise beyond the common caw.
- " 3 Tree Sparrow. Saw a large number of them during the day but generally in swampy places.
- " 2 Downy Woodpecker. Shot a handsome male.
- " 3 Ruffed Grouse. Heard four rise and saw three of them.
- " 9 Song Sparrow. Heard a male singing and saw two others.
- " 10 Golden-crested Wren. Heard several.
- " 10 Tree Sparrow. Heard one.
- " 10 Cherry Bird. Saw a small flock.
- " 10 Migratory Thrush. Saw about thirty.
- 10 Blue Jay. Heard several.
- " 12 Blue Bird. Saw two and heard them more; they acted in the usual manner now and then flying down to seize a grub and uttering the warble so common in the breeding season and one of them was seen to enter several of my boxes before I came home although this is the first day of their arrival.
- " 12 Red-winged Starling. Saw a very large flock.
- " 12 Cherry Bird. Saw large numbers of them.

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- Mar. 12 Migratory Thrush. Saw a large flock and heard some fine singers among them.
- " 12 Song Sparrow. Heard two males singing and saw another.
- " 13 Song Sparrow. Heard large numbers of them.
- " 13 Blue Bird. Heard a dozen or more during the day.
- " 13 Red-winged Starling. Heard a large flock and several single ones.
- " 13 Meadow Lark. Heard two.
- " 16 Cow Blackbird. Saw one flying quite low.
- " 16 Blue Bird. They are now very numerous; the first female was seen on the 13th.
- " 16 Migratory Thrush. They are now scattered through the fields and gardens.
- " 16 Song Sparrow. They are now very numerous everywhere.
- " 16 Red winged Starling. They are scattered through the country in small flocks and single birds.
- " 17 Cow Bunting. Heard one perfectly plainly.
- " 17 Red winged Starling. Shot a male from a scattered flock of about a dozen that flew over me.
- " 17 Cow Blackbird. Three flew over me.
- " 17 Meadow Lark. Heard two and saw one of them.

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- Mar. 18 Crow Blackbird. There was a flock of over two hundred feeding on the ground in our yard.
- " 19 Golden crested Wren. Saw one and heard another but they are nearly all gone.
- " 20 Tree Sparrow. Heard a male in a flock of four utter about the wildest and sweetest song that I have ever listened to.
- " 20 Snow Bird. Saw two in our yard this morning but there are not many round now.
- " 20 Purple Finch. Three pairs were seen to day.
- " 20 Fox colored Sparrow. Saw four to day.
- " 21 Snow Bird. Saw several; they have begun to sing.
- " 23 Purple Finch. Heard and saw a good singer.
- " 23 Golden crested Wren. Heard one.
- " 24 Tree Sparrow. There are large numbers of them around now and I have several times heard them sing.
- " 24 Snow Bird. There are large numbers of them around now.
- " 24 Snow Bunting. Heard one but did not see it.
- " 24 Downy Woodpecker. Saw one.
- " 25 Snow Bunting. A flock of birds passed over me that might have been Snow Buntings; but they

uttered a noise that I never heard before and I could not see any white on them but they might have been shore larks. This afternoon I saw another flock of the same birds but as I had a better sight at them I saw at once that they were shore larks; there were eleven birds in the flock that I saw this morning and sixteen in the one that I saw this afternoon.

- Mar. 25 Red winged Starling. Scared up a flock of about thirty including six or seven females (the first that I have seen) and as they rose I heard the well known note of a cow-bunting among them.
- " 25 Cherry Bird. Saw immense flocks of them.
- " 25 Migratory Thrush. There are large numbers of them around now.
- " 25 Snow Bird. Saw a large flock of them.
- " 25 Herring Gull. Saw one to day and about twenty yesterday.
- " 24 Duck. Saw four flocks flying and in all twenty seven individuals.
- " 25 Tree Sparrow. Saw about a dozen to day.
- " 25 Blue Bird. Although there is snow on the ground there are large numbers of them round and the same may be said of song sparrows.
- " 27 Purple Finch. Heard a male singing.

- Mar. 27 Kingfisher. Not very near to me and as it flew off it uttered its rattling note.
- " 28 Black & white Creeper? Saw a bird that I thought it was one but as I did not get a very good view of him I am not sure.
- " 28 Snow Bird. There are more of them around now than I have ever seen before.
- " 28 Fox colored Sparrow. There are large numbers of them around now and I heard several of them sing today.
- " 28 Tree Sparrow. Saw several to day.
- " 28 Downy Woodpecker. Saw a female which appeared to be trying to find a place to build.
- " 28 Cow Bunting. Saw two.
- " 30 Golden crested Wren. One was seen.
- " 31 Canada Goose. Saw three flocks migrating north including in all one hundred and thirty seven.
- " 31 Cow Bunting. Saw several.
- " 31 Red tailed Hawk. Saw three.
- April 1 White bellied Swallow. Saw one which stayed round for some time and lit on several of my pipes.
- " 1 Tree Sparrow. Saw about six.
- " 1 Snow Bird. Saw several.

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- April 4 Rusty Blackbird. Saw a bird that I am nearly sure was one.
- " 5 Pewee Flycatcher. Saw two and heard two more another one was also shot.
- " 5 Grass Finch. I shot two.
- " 5 Chipping Sparrow. Saw a bird that I am quite sure was one.
- " 6 Chipping Sparrow. Saw one shot.
- " 6 Yellow-red poll Warbler. Saw two and a number of others was also seen.
- " 6 Golden-crested Wren. Got very near one but they have nearly all gone.
- " 7 Savannah Sparrow. Saw and heard several.
- " 7 Swamp Sparrow. Saw several and heard them sing; I also shot one but was unable to find it.
- " 7 Pine creeping Warbler. Heard one singing and at last I discovered and shot it.
- " 7 Yellow-red poll Warbler. Saw large numbers of them.
- " 8 Crow Blackbirds in flocks of twenty or thirty and in pairs; red winged starlings in large flocks composed wholly of males, and single; cow blackbirds in small separate flocks and mixed up with the red wings; pewees single and in pairs; robins, blue birds, song sparrows and white bellied swallows in pairs though as many as five pairs of swallows

may be seen in one flock; chickadees are also in pairs and they seem to be looking out for a place to build; all or nearly all the robins have probably come; cow buntings were seen considerably later than red wings; golden winged woodpeckers and meadow larks are in pairs; downy woodpeckers are very plentiful; snow birds are very scarce though I saw two yesterday; there are considerable numbers of tree sparrows around yet; blue jays are in pairs, yellow red polls are in small flocks migrating north.

- April 7 Golden crested Wren. Saw one sitting on a branch and uttering a song that I never heard before and now and then relapsing ~~into~~ into the common cre, cre, cre, creep..
- " 13 Wilson's Snipe. Saw one.
- " 13 Rusty Blackbird. Saw a flock of about fifty but they were rather shy.
- " 14 Gold Finch. The males have nearly got their full summer plumage.
- " 15 Chipping Sparrow. They are now very numerous.
- " 15 Yellow red poll Warbler. They have nearly all disappeared.
- " 15 Pine creeping Warbler. I have heard a good many lately.
- " 17 Yellow crowned Warbler. Saw the first one to day and watched it for some time.
- " 17 Sharp shinned Hawk. Saw one and fired at it.

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April 18 Yellow red poll Warbler. Saw one.

" 18 Pine creeping Warbler. They are very numerous now.

" 20 Barn Swallow. Saw a large number of them.

" 22 Field Sparrow. Heard one very plainly several times.

" 22 Purple Martin. Saw one which passed over me flying very low, and in a straightforward manner, continually uttering its note; it was flying in a westerly direction, and was evidently migrating.

" 22 House Wren. Saw one in the morning and heard it sing; also heard another in the afternoon.

" 28 Chimney Swallow. One flew over our place at about sunset uttering its settling note.

" 27 Bank Swallow. Saw several of them.

" 30 Spotted Sandpiper. Saw three and shot one of them as it was flying over the marsh.

May 2 Yellow Warbler. Several were seen.

" 3 Yellow Warbler. Saw one myself to day.

" 2 Sharp shinned Hawk. Shot a female to day.

" 3 Least Pewee. Heard and saw one.

" 4 Least Sandpiper. Saw one.

" 4 Black & white Creeper. Saw one probably the first and shot it.

- May 5 Yellow Throated Vireo. Heard two and saw one of them
- " 5 Night Heron. Saw one flying.
- " 6 Least Pewee. They are very numerous now.
- " 8 King Bird.
- " 6 King Bird. One was seen to day. Did not see one myself till the 14th
- " 8 ^{Warbling} Red-eyed Vireo. Saw and heard one to day
- " 8 White Throated Sparrow. Saw a female and shot a very handsome male
- " 8 Baltimore Oriole. A male was seen to day
- " 9 Red Bunting or Bobolink. Heard two. A number of others was seen.
- " 9 Cat Bird. Saw one
- " 10 Ruby Throated Hummingbird. Watched a splendid male for some time.
- " 11 Golden crowned Thrush. Shot one.
- " 14 American Red start. Saw a male.
- " 14 White Crowned Sparrow. A very handsome one was shot to day.
- " 15 Cuckoo. Heard several and caught a glimpse of one
- " 15 Wilson's Thrush. Heard one plainly
- " 16 Night Hawk. One flew over me in a northerly direction.

May 16 Brown Thrush. Saw one to day but they have probably been here for a long time.

" 17 Black-poll Warbler. Got very near one.

" 18 Cliff Swallow. Saw a flock of eleven

" 19 Blue yellow-backed Warbler. Got within a few feet of one.

" 19 Towhee Finch. Saw and heard several males.

" 19 Maryland yellow-throat. Saw and heard a number of them.

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" 20 Mourning Warbler. Saw one.

" 20 Rose-breasted Grosbeak. Got very near a fine pair.

" 20 Red-headed Woodpecker. Followed a handsome male for some distance. He often perched on the limbs and once he chased an insect through the air. This is the first one that I ever saw. He was in Waltham.

" 20 Wood Pewee. Heard one plainly.

" 21 Cherry Birds. They have now returned and I saw the first to day.

" 22 Scarlet Tanager. Saw an extremely bright male to day.

" 18 Indigo Finch. Heard one singing for some time

" 23 Whip-poor-will. Shot one

" 30 Black and yellow Warbler. Saw one to day

- June 1. Chipping Sparrow. Heard one singing at 10.25 P.M.
- " 6 Duck. Saw a wild duck (probably black duck) flying over Fresh pond.
- " 7 Duck. Saw four (probably black ducks) fly over the Glacialis.
- " 16 Wood Thrush. Heard one to day for the first time this year although of course they have been here some time.
- " 18 Solitary Vireo. Saw the first one that I ever met with, in Andover to day and heard it sing several times.
- " 22 Ruffed Grouse. Scared up an old one with about ten young apparently no more than two weeks old but they hid so cunningly that I was unable to catch any.
- " 26 Nuthatch. Heard one plainly (probably red bellied)
- " 29 Red bellied Nuthatch. Heard one plainly.
- " 29 Young wrens, yellow warblers, cedar birds, chipping sparrows, white bellied swallows, golden robins &c. have left their nests.
- July 3 Kingfishers. Saw numbers of young ones on Fresh pond.
- " 3 Yellow Warbler. Saw a female feeding a young cowbird.
- " 5 Bobolink. They are beginning to use the autumn call note.
- " 10 King Bird. Saw one plainly eat several cherries.
- " 14 ^{Wendover's} ~~Yellow winged~~ Sparrow. Shot a male at Chmherst while he was singing.
- " 27 Black poll Warbler. Saw a desperate fight between two of the birds in the Franconia Notch.
- " 28 Black poll Warbler. Saw one feeding its young in the Franconia Notch.

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- Aug. 2 Passenger Pigeon. While fishing on Profile Lake saw two pass swiftly over the valley.
- " 6 Downy Woodpecker. Watched one for some time in the Franconia Valley that had the whole top of his head scarlet.
- " 7 Downy Woodpecker. Saw a male hanging on some green apples in a garden of Plymouth Ct. Vt. At first I thought that he was eating them but on approaching within a few yards of him and watching him closely I saw that he was picking out the insects from the bottom of the apple.
- " 7 Chimney Swallow. In the evening saw many hundreds pass down a chimney in Plymouth Ct. Vt.
- " 8 Osprey. Saw one on Fresh pond
- " 9 Yellow Shank. Saw one near Fresh pond and also a flock of least sandpipers.
- " 10 Cow Bunting. Saw two plainly.
- " 12 Cow Bunting. Saw a flock of 60 or 70
- " 12 Yellow Shank. Saw a flock of seven or eight on the river.
- Birds seen at Pige Beach from August 14th to August 27th
- " 15 Ring necked Plover. Saw several to day and numbers nearly all the time from Aug. 14th to Aug. 27th.
- " 15 Sanderling Sandpiper. Saw one to day and saw them all along but they increased all towards the last part.
- " 15 Least and Semipalmated Sandpipers. They were very numerous all the time I was there

- Aug. 16 Piping Plover. Shot one
- " 16 Blue winged Teal. An old gunner shot four at a shot. These are the first that have been shot this year.
- " 16 Yellow Shank. Shot two
- " 16 Telltale Godwit. Saw one.
- " 16 Bonapartes Gull. Saw five and shot one
- " 16 Golden Plover
- " 16 Esquimaux Curlew
- " 17 Willet. Shot one but did not stuff it.
- " 17 Yellow Shank. Shot three.
- " 17 Black Duck. Saw one
- " 18 Green Heron. They were abundant all the time I was there. Shot one to day.
- " 18 Great Blue Heron. Saw them very often. Wounded one badly to day but was unable to secure it.
- " 19 Marsh Hawk. Saw a pair to day which flew directly over me. They were quite common all the time I was there frequenting the marshes to pick up the wounded birds.
- " 20 Yellow Shank. Shot two
- " 20 ~~Esquimaux Curlew~~. Shot one
- " 20 Red breasted Snipe. Shot one
- " 20 Blue winged teal. Saw four.

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- Aug. 20 Sharp shinned Hawk. Saw one
- " 21 Blue winged Teal. Shot one and saw three more
- " 21 Wilson's Tern. Saw one
- " 22 Saw about three hundred yellow shanks, as many more *Squimaux* curlews, and numbers of red breasted snipe all flying southward and rather low but seldom alighting. Shot twelve yellow shanks, two red breasted snipe and a *Squimaux* curlew.
- " 22 Blue winged Teal. Saw one
- " 22 Black Duck. Saw one.
- " 22 Marsh Hawk. Saw one
- " 22 Great blue Heron. Saw one
- " 23 Blue winged Teal. Shot three but lost one of them
- " 23 Yellow Shank. Shot one
- " 25 Yellow Shank. Shot one
- " 25 Tell tale Godwit. Shot one and wounded another.
- " 25 Blue winged Teal. Four were shot.
- " 25 American Turnstone. Shot one.
- " 27 Yellow Shank. Saw two.
- " 27 Blue winged Teal. Saw one
- " 27 Great blue Heron. Saw one
- " 27 King Bird. Saw scattered flocks migrating southward
(Left Rye Beach to day)

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West Mass

Birds seen at Amesbury from Aug. 21st to Sept. 1st

Aug. 28. Whip-poor-Will. Heard one.

" 30 Solitary Sandpiper. Saw three and watched them for some time.

" 30 Great Heron. Saw two

" 30 Night Heron. Saw one

" 30 Green winged Teal. Saw one.

" 30 Passenger Pigeon. Saw five plainly.

" 30 Whip-poor-Will. Heard one.

Sept. 1st Passenger Pigeon. Saw ten.

" 1 Whip-poor-Will. Heard one.

Birds seen at Cambridge and vicinity during the autumn and winter.

Sept. 3 Black Duck. Saw four flying over 'the pond'

" 5 Cedar Bird. Saw large flock and shot three.

" 5 Sharp shinned Hawk. E. Carter shot one.

" 5 Duck. Saw three (probably black ducks) at a great distance.

" 6 Blue winged Teal. Saw two on Charles river.

" 6 Egypian Curlew. Saw one on Charles river.

" 6 Osprey. Saw one on Fresh pond.

" 7 Passenger Pigeon. Saw a flock of about thirty.

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- Sept. 7 Black Duck. Saw three.
- " 7 Bobolink. Heard a male singing as in the breeding season.
- " 7 Sharp Shinned Hawk. Shot a young one.
- " 7 Carolina Rail. Shot one.
- " 7 Solitary Sandpiper. Shot three.
- " 7 Green Heron. S. Carter shot one.
- " 7 Night Heron. S. Carter shot one which I stuffed.
- " 7 Black Duck. Saw one.
- " 8 Osprey. Shot a young one.
- " 8 Green Heron. Saw several.
- " 10 Ring necked Plover. Saw an immense flock of these birds, and least sandpipers.
- " 11 White bellied Snallows. Saw numbers migrating southward.
- " 11 Solitary Sandpiper. Saw one.
- " 11 Green Heron. Saw one flying.
- " 14 Osprey. Saw one on 'the pond'
- " 14 Ruby Throated Hummingbird. Saw one plainly.
- " 14 Night Hawk. Saw one flying.
- " 15 Pigeon Hawk. S. Carter shot one which I stuffed.
- " 18 Cedar Bird. Shot one.

- Sept. 22 Red Shouldered Hawk. Saw six hunting in company and shot one.
- " 28 Yellow bellied Woodpecker. R. Deane shot one but did not stuff it.
- " 28 Golden crested Wren. Saw several for the first time this autumn.
- " 28 Common Snowbird. Saw several plainly for the first time this autumn.
- " 29 American Coot. Shot one.
- " 29 American Bittern. Shot one.
- " 30 White Throated Sparrow. Saw several and heard them sing.
- " 30 Nashville Warbler. Saw one. (?)
- " 30 House Wren. Heard one singing.
- Oct 2 Yellow crowned Warbler. These in their autumnal plumage are now on their way southward.
- " 2 Cow Bunting. These are numbers about.
- " 2 Rusty Blackbirds. They are around in large flocks.
- " 6 Night Heron. Saw two plainly.
- " 6 Black Duck. Saw two.
- " 6 Wilson's Snipe. Heard two plainly.
- " 7 White Throated Sparrow. Saw several.
- " 8 Mottled Owl. Heard one screech six or seven times.

- Oct. 10 Canada Goose. Father saw a flock of about a dozen migrating southward.
- " 12 American Coot. Shot one.
- " 12 Migratory Thrush. There are numbers about.
- " 12 Rusty Grackle. They are about in large flocks.
- " 13 American brown Creeper. Saw one for the first time this fall.
- " 13 Hairy Woodpecker. Watched a female for some time.
- " 16 Red winged Starling. Saw one
- " 16 Cooper's Hawk. Saw one.
- " 16 Brown Blackbirds. On the way to school saw and heard several.
- " 16 Rusty Blackbirds. Saw numbers of them.
- " 20 Ruddy Duck. A man showed me one which he had shot on the pond.
- " 23 Black Duck. Saw one flying.
- " 23 American Coot. D. French shot one
- " 25 Herring Gull. Saw about forty on the bay.
- " 26 Velvet Duck. Saw three exposed for sale in the market and also a wood duck
- " 27 Purple Finch. Heard one.
- " 28 Yellow rump Warbler. Heard one
- " 28 White Throated Sparrow. Heard one.

- ting Oct. 28 Golden crested Wrens. They are getting quite numerous and the same may be said of the brown creepers
- " 29 American snow Bird. They are getting quite numerous.
- Nov. 1 Hudson bay Titmouse. Saw a pair near the town of Waltham and watched them for several minutes they being in the top of a rather low apple tree and I directly under them. Their motions were almost precisely similar to those of the common black cap titmouse. All the notes that I heard them make were the common chip of the chickadee though a little feebler and sort of prolonged hissing whistle that bore a distant resemblance to the note of the cedar bird although of course not nearly so loud. Their tails were rather longer than that of the black cap and altogether they were of a slimmer make. The tops of their heads were of a ~~pale~~ ash color with a larger stripe running along the middle. Their sides were of a ^{bright} buff color and the rest of the body was principally ash colored with whitish breast.
- " 2 Wasp Hawk. Saw a very fine one beating some thicket of low shrubs that contained numerous wing and tree sparrows
- " 2 [Red-shouldered] Hawk. Saw one. Shot one undoubtedly the same individual on the 17th [A peculiar specimen afterwards recorded by Allen and Maynard as Buteo cooperi.]
- " 2 Tree Sparrow. Saw large numbers of them for the first time this autumn.
- " 3 Pine Finch. Shot two from a flock of four or five.
- " 3 Fox colored Sparrow. Saw numbers for the first time this fall.
- " 3 Tree Sparrows. Saw several dozens.
- " 6 Pine Finch. One flew over me.
- " 10 Barred Owl. Heard one hoot several times, found him, and shot him.

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- Nov. 17 Herring Gull. Saw several old males and young ones on Fresh pond.
- " 20 Pine Grosbeaks. Shot three. They are the first I ever saw alive
- " 20 Purple Finch. Saw a flock of about thirty
- " 20 Fox colored Sparrow. Saw a large flock.
- " 20 Blue Jay. Saw several.
- " 21 Chipping Sparrow. Saw one on a piece of ploughed ground. I got within eight feet of him and saw him perfectly plainly. He ~~was~~ motionless on a lump of frozen earth with his feathers all ruffled up.
- " 23 Snow Bunting. Saw and heard several for the first time this fall.
- " 24 Red tailed Hawk. Saw one
- " 24 Pigeon Hawk. Saw a bird that I thought was one.
- " 25 Pine Grosbeak. Saw four
- " 26 Barred Owl. Shot one in an apple tree.
- " 27 Barred Owl. Shot one on a low bush.
- " 28 Migratory Thrush. Saw two.
- " 28 Cedar Bird. R. Deane shot two.
- Dec. 1 Pine Grosbeaks. R. Deane shot two young ones. Saw numbers of young ones and one old male.
- " 7 Migratory Thrush. Saw about a dozen.
- " 7 Song Sparrow. Heard a number of them

- Dec. 8 Meadow Lark. Saw a number of them and shot one.
- " 9 Migratory Thrush. Saw twenty nine of them.
- " 14 Pine Grosbeak. Saw three young ones.
- " 15 Song Sparrows. Saw a number of them.
- " 15 Migratory Thrush. Saw about thirty of them.
- " 15 Golden winged Woodpecker. Saw one.
- " 15 Purple Finch. Saw three.
- " 15 Red winged Starling. Got very near to a female.
- " 15 Great northern Shrike. Shot a young one.
- " 15 Common Crossbill. Shot one.
- " 15 Blue Jay. Saw a number of them.
- " 20 Red bellied Nuthatch. Shot a female.
- " 20 Snow Bird. Saw several.
- " 20 Song Sparrow. Saw three.
- " 22 Lesser Redpolls. Saw several in a flock of gold finches.
- " 22 Meadow Lark. Saw four.
- " 22 Song Sparrows. Saw several.
- " 22 Tree Sparrow. Saw several.
- " 22 Snow Bird. Saw a number of them.
- " 22 Blue Jay. Saw a number of them.

- Dec. 22 Purple Finches. Saw six.
- " 22 Migratory Thrush. Saw about fifty.
- " 22 Snow Bunting. Saw thirty three in Waltham.
- " 25 Herring Gull. Saw about thirty.
- " 26 Herring Gull. Saw a number of them on 'the pond.'
- " 26 Hairy Woodpecker. Saw one
- " 28 Herring Gull. Saw a number of them on 'the pond' and R. Deane shot one.
- " 29 Herring Gull. Shot one on 'the pond' and saw a number.
- " 29 White winged Gull. Saw a handsome male on the pond.
- " 29 ^[Red-breasted] Sheldrake. Saw and fired at a male on Fresh pond.

Jan. 1st 1867 Lesser Redpoll. Shot two 1867 1867

- " 1 Gold Finch. Shot one
- " 1 Blue Jay. Saw numbers of them.
- " 1 Migratory Thrush. Saw about fifty.
- " 1 Purple Finch. Saw one
- " 1 Red bellied Nuthatch. Heard one.
- " 1 Lesser Redpoll. Saw a flock of at least a thousand in Waltham.
- " 4 Pine Grosbeak. Saw five or six.
- " 5 Golden winged Woodpecker. Watched one for some time.

- Jan. 5 Snow Bunting. Saw one.
- " 5 Lesser Redpolls. Saw a large flock with numbers of gold finches intermixed.
- " 5 White breasted Nuthatch. Shot a female.
- " 5 Song Sparrow. Saw several.
- " 5 Tree Sparrow. Saw a few.
- " 6 Snow Bird. Saw several.
- " 6 Snow Bunting. Saw five.
- " 6 Lesser Redpolls. Saw several.
- " 8 Snow Bunting. Saw about twenty.
- " 9 Snow Bunting. Saw a flock of about forty.
- " 9 Pine Grosbeak. Saw about a dozen.
- " 9 Lesser Redpoll. Saw a flock of about 100.
- " 10 Snow Bunting. Fired into a flock of about sixty.
- " 10 Lesser Redpoll. Saw six or seven.
- " 10 Blue Jay. Saw one.
- " 11 Snow Bunting. Shot two.
- " 11 Meadow Lark. Saw several.
- " 12 Blue Jay. Saw one.
- " 15 Gold Finches. Saw four.

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- Jan. 16 Great northern Shrike. E. Carter fired at one.
- " 18 Gold Finch. Saw one.
- " 18 Meadow Lark. Saw one.
- " 19 Snow Bunting. Saw two.
- " 19 Gold Finch. Saw two.
- " 19 Lesser Redpoll. Saw two.
- " 19 Great northern Shrike. Watched one for some time.
- " 21 Migratory Thrush. E. Carter saw two.
- " 22 Snow Bunting. Saw one.
- " 22 Song Sparrow. Saw two.
- " 23 Migratory Thrush. Saw about thirty.
- " 23 Lesser Redpoll. Saw about forty and shot two males.
- " 23 American Gold Finch. Saw about a dozen.
- " 23 Snow Bird. Saw one.
- " 25 Migratory Thrush. Saw about twenty five on our cedar tree.
- " 26 Snow Bird. Saw two.
- " 28 Meadow Lark. R. Deane saw six.
- " 28 Migratory Thrush. Saw about thirty.
- " 28 Snow Bunting. Saw about twenty.
- " 31 Great northern Shrike. Saw one chase a gold finch into and out of our cedar tree.

- Feb. 1 Song Sparrow. Saw one
- " 1 Lesser Redpoll. Saw five or six
- " 1 Great northern Shrike. Shot a fine male.
- " 3 Tree Sparrow. Saw one.
- " 4 Cedar Bird. Saw ten for the first time this year
- " 5 Meadow Lark. Saw five
- " 7 Pine Grosbeak. They are getting very scarce.
- " 8 Cedar Bird. Saw about a dozen.
- " 9 Common Crossbill. Saw six and shot three.
- " 9 Blue Jay. Saw a number.
- " 9 Meadow Lark. Saw seven.
- " 9 Migratory Thrush. Saw about thirty.
- " 13 White breasted Nuthatch. D. French shot one
- " 13 Pine Grosbeak. D. French saw one.
- " 13 Lesser Redpolls. Saw several dozens.
- " 14 Migratory Thrush. Saw about forty.
- " 15 Snow Bunting. R. Deane shot a snow bunting which was alone. This is probably the last one of the season.
- " 16 Golden winged Woodpecker. Dan & I shot a pair.
- " 16 Gos Hawk. Saw a fine old one.

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- Feb. 16 Pine Grosbeak. Saw one.
- " 16 Snow Bird. Saw several.
- " 16 Purple Finch. Saw two.
- " 16 Common Crossbill. Heard one.
- " 16 Song Sparrow. Heard a young male practicing singing.
- " 18 Tree Sparrow. Saw several.
- " 20 Blue Bird. D. French got very near a male at Waltham & heard him sing for some time.
- " 21 Blue Jay. Saw one.
- " 21 Lesser Redpoll. Heard several.
- " 21 Tree Sparrow. Heard one.
- " 21 Great-northern Shrike. Shot a male after listening to him for some time. He mimicked a song sparrow, a blue jay, and several other birds.
- " 21 Herring Gull. Saw about a dozen on 'the bag'.
- " 22 Cedar Birds. Shot eight.
- " 22 Migratory Thrush. Saw about twenty.
- " 22 Golden winged Woodpecker. Saw one.
- " 22 Tree Sparrow. Saw four.
- " 23 Sharp shinned Hawk. Saw one.
- " 23 Snow Bird. Saw several.

- Feb. 23 Blue Jay. Saw several.
- " 25 Golden winged Woodpeckers. Shot a male.
- " 25 Meadow Lark. Saw five.
- " 25 Lesser Redpolls. Heard several.
- " 25 American gold Finch. Saw a large flock.
- " 25 Purple Finch. Saw seven.
- " 26 Song Sparrow. Heard an old male sing a number of times.

The past winter has been unusually severe and the snow very deep so that the numbers and varieties of birds have varied considerably from those of most winters; for instance, the pine grosbeaks which are usually very rare have been (in places suited to their wants) very abundant but they are nearly if not wholly gone; Very large flocks of redpolls have continued round through the winter and they ~~birds~~ are still common in small flocks. The fox colored sparrows have not passed the winter with us; as usual the tree sparrows, song sparrows, chickadees, and downy woodpeckers have braved the cold and the deep snow, but the golden crested wrens and brown creepers have been absent during the most severe portion; the small birds have undoubtedly suffered much and I found a goldfinch which had apparently starved to death.

Nests and Eggs found in the Spring & Summer of 1866.

✓ April 12 Blue Bird. Nest with two eggs.

" 18 Crow Blackbird. Nest freshly lined with mud.

" 23 Migratory Thrush. Nest with two eggs.

" 26 Song Sparrow. " " one egg.

" 31 Blue Jay. " with four fresh eggs.

May 2 American Crow " " two eggs

" 6 House Wren. Saw one carrying sticks into a bird box.

" 10 Black cap Titmouse. Nest with eight eggs

" 15 Chipping Sparrow. " " two "

" 15 Least Pewee " " " "

" 15 Cow Bunting. Egg found in nest of chipping sparrow. J

" 15 Yellow Throated Vireo. Saw one building.

" 15 Golden winged Woodpecker. Nest with fresh eggs.

" 19 Ruffed Grouse. Nest with ten eggs.

" 19 Brown Thrush. " " three "

" 19 Pewee Flycatcher. " " five "

" 21 Savannah Sparrow. " " four "

" 21 Red winged Starling. " " " "

" 22 White bellied Swallow. " " five "

- May 22 Yellow billed Cuckoo. Nest with one egg.
- " 22 House Wren. Nest with two eggs.
- " 23 Purple Finch. " " " "
- " 25 Mottled Owl. " " old one sitting on five young about a week-and-a-half old.
- " 25 Cat Bird. Nest with two eggs.
- " 25 Bank Swallow. " " one "
- " 26 Baltimore Oriole. " " " "
- " 26 Yellow Warbler. " " three "
- " 28 Yellow Throated Vireo. " " one "
- " 31 Tyrant-Flycatcher. " just-finished.
- June 1 Wilson's Thrush. " with four eggs.
- " 2 American Redstart. " " " "
- " 3 Cliff Swallow. Saw numbers building.
- " 5 Black billed Cuckoo. Nest with one egg.
- " 5 Bobolink. " " five "
- " 5 Cedar Bird. " " one "
- " 9 Maryland yellow Throat. " " " "
- " 9 Indigo Bird. " " four "
- " 12 Warbling Vireo. " " " "

- June 16 Ruby throated Hummingbird. Nest with two eggs nearly hatched.
- " 16 Chestnut sided Warbler. Nest with three nearly hatched.
- " 16 Black throated green Warbler. Nest with two fresh eggs.
- " 19 Rose breasted Grosbeak. " " three fresh eggs
- " 20 Chipping Sparrow. Saw a nest about a foot from the ground; it contained three young.

July 9 House Wren. They are beginning to lay the second litters.

Arrival & c. of the spring birds in 1867.

- March 1 Herring Gull. Saw five on 'the pond'.
- " 2 Meadow Lark. Saw five.
- " 2 Great black backed Gull. Saw three on Fresh pond.
- " 2 Herring Gull. Saw six or seven on Fresh pond.
- " 2 Sheldrake. Saw three flying over Fresh pond.
- " 2 Blue Bird. Saw one myself to day.
- " 2 Red tailed Hawk. Saw two.
- " 5 Great northern Shrike. Saw one.
- " 7 Lesser Redpoll. Saw about a dozen but they are getting scarce.
- " 9 Blue Jay. Heard one imitate a Cooper's hawk perfectly.
- " 9 Gold Finch. Saw several.

- Wed. March 10 Tree Sparrow. Saw one.
- " 10 Gold Finch. Saw four.
- " 10 Blue Bird. Three were seen.
- " 11 Lesser Redpoll. Saw two.
- " 12 Canada Goose. It was announced in the papers that a flock had been seen to pass over Boston this A. M.
- " 14 Brown Creeper. Saw the first one that I have noticed for some time.
- " 18 Snow Bunting. Dan saw several at Waltham.
- " 19 Blue Bird. Dan saw several to day and for several days he has seen numbers of them at Waltham but they are not common here as yet.
- " 20 Tree Sparrow. Saw one.
- " 20 Lesser Redpoll. Saw about thirty.
- " 20 Song Sparrow. Saw two
- " 20 Blue Jay. Saw one.
- " 22 Song Sparrow. Saw one.
- " 22 Herring Gull. Saw five or six on Fresh pond.
- " 22 Migratory Thrush. Saw one.
- " 23 Song Sparrow. Saw several and heard a male sing
- " 23 Tree Sparrow. Saw several
- " 23 Migratory Thrush. Saw six or seven.

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- March 23 Snow Bunting. Heard one plainly.
- " 23 Herring Gull. Saw one on Fresh pond.
- " 21 Pine Grosbeak. Two were seen to day.
- " 23 Blue Bird. They are plentiful at Waltham.
- " 24 Brown Creeper. Saw one.
- " 26 Herring Gull. Saw one flying over Fresh pond.
- " 26 Song Sparrow. Saw three.
- " 26 Lesser Redpoll. Saw three.
- " 26 American Crow. They have remained in this neighborhood all through the winter. To day saw them all the P.M. migrating directly Northward in fives and fives or single: I must have seen at least fifty thus employed.
- " 27 Blue Bird. Saw one here, another, in Watertown, and a third in Waltham. Several more were seen here to day.
- " 27 Song Sparrow. Heard about twenty in different places.
- " 27 Purple Finch. Saw a male and heard him sing for some time.
- " 27 American Crow. Saw seven or eight migrating northward.
- " 21 Blue Jay. Saw seven or eight.
- " 27 Lesser Redpoll. Saw about twenty.
- " 28 Song Sparrow. They are very numerous.
- " 28 Herring Gull. Saw five on Fresh pond and heard one of them make a singular noise much like the sneezing of a cat but 100 times louder.

- March 28 Snow Bird. Heard a male sing for the first time this year
- " 28 Migratory Thrush. Saw six
- " 29 Rusty Blackbird. Got directly under a male & heard him sing for some time.
- " 29 Meadow Lark. Heard one plainly.
- " 29 Blue Bird. Saw three.
- " 29 Bald headed Eagle. One was seen
- " 30 Red winged Starling. Saw two for the first time and five more were seen.
- " 30 Crow Blackbird. A small flock was seen migrating northward
- " 30 Purple Finch. Saw a large flock of females many of them singing in concert.
- " 30 Blue Bird. They are about as numerous as they will be
- " 30 Meadow Larks. Several were seen.
- " 31 Fox colored Sparrow. Saw one for the first time this year
- " 31 Crow Blackbird. Saw one myself to day.
- " 31 Red winged Starling. Saw several males.
- " 31 Lesser Redpoll. Heard some.
- " 31 Gold Finch. Saw three.
- " 31 Purple Finch. Saw a male
- April 1 Crow Blackbird. Saw a flock of about twenty five and several single ones

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- April 1 Migratory Thrush. A single male was singing in our yard to day and I saw several single ones scattered about the fields.
- " 2 Rusty Blackbird. Saw a flock of about forty migrating northward besides several smaller flocks.
- " 2 Cow Blackbird. Saw a good number migrating northward.
- " 2 Migratory Thrush. Saw about thirty migrating towards the north.
- " 2 Herring Gull. Saw five on Fresh pond.
- " 3 Cow Blackbird. Saw two and heard another for the first time this year.
- " 3 Cedar Bird. Saw a single one.
- " 3 Lesser Redpoll. Heard some plainly but they have for the most part gone.
- " 3 Meadow Lark. Saw one.
- " 4 Night Heron. Heard one and saw two more for the first time.
- " 4 Wilson's Snipe. Saw six for the first time this year.
- " 4 Savannah Sparrow. Saw six or seven for the first time this year.
- " 4 White bellied Swallow. Saw several around my boxes.
- " 4 Killdeer Shov. Saw a handsome male.
- " 4 Great northern Shrike. Saw one.
- " 4 Red tailed Hawk. Saw one.
- " 5 Osprey. Saw one.
- " 5 Canada Goose. Saw a flock of five migrating northward.

- April 5 Swamp Sparrow. Heard and saw about a dozen.
- " 5 Wilson's Snipe. Saw 15 and shot one; heard several of them make that peculiar rolling sound with their wings.
- " 5 Rusty Blackbird. Saw a flock of about forty.
- " 5 Green Blackbird. Saw a flock of nearly a hundred.
- " 5 Black Duck. Saw one.
- " 6 Wilson's Snipe. Saw about twenty.
- " 6 Rusty Blackbird. Saw about forty.
- " 6 Night Heron. Saw about thirty & shot three.
- " 6 Chipping Sparrow. Saw one for the first time this year.
- " 6 Belted Kingfisher. Saw one for the first time this year.
- " 7 Pewee Flycatcher. Saw one plainly & thought that I saw another.
- " 6 Field Sparrow. Several were heard at Waltham.
- " 10 Chipping Sparrow. Heard several singing in our yard and they are getting quite numerous.
- " 10 Migratory Thrush. They have all come.
- " 11 Grass Finch. Saw and heard a number in Waltham.
- " 12 Downy Woodpecker. They are now very numerous tapping almost continually.
- " 13 Wilson's Snipe. Saw six & shot one.
- " 13 ^{Hermit} Tawny Thrush. Shot one.

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- April 13 Rusty Blackbird. Saw several.
- " 13 Cow Bunting. They are now very thick.
- " 13 Carolina Rail. Heard one plainly.
- " 13 Yellow crowned Warbler. Saw two for the first time this year.
- " 15 Yellow red-poll Warbler. Saw one.
- " 18 Pine creeping Warbler. Saw one plainly to day.
- " 18 Barn Swallow. A very handsome male flew over me.
- " 18 Fish Hawk. Saw one on 'the pond'
- " 18 Tree Sparrow. Saw one.
- " 12 Cedar Bird. Saw a flock of ten.
- " 20 Wilson's Snipe. Saw about twenty of them and shot three.
- " 20 Rusty Blackbird. Saw about thirty.
- " 20 Fox colored Sparrow. Saw several.
- " 20 Snow Bird. Saw one but they are getting scarce.
- " 22 American Coot. One was shot.
- " 23 Hairy Woodpecker. Saw a female.
- " 23 Red tailed Hawk. Saw one.
- " 24 Herring Gull. Seven were seen on Fresh pond.
- " 27 Wilson's Snipe. Shot three.
- " 27 Black & white creeping Warbler. Saw a male for the first time this year.
- " 27 Marsh Hawk. Saw a very large one.

- April 30 Herring Gull. Saw four flying but they have nearly all gone.
- May 2 Common Crossbill. A handsome male flew past me uttering his whistling notes.
- " 2 Purple Martin. Saw a female (Four seen at Concord Mass April 20th)
- " 4 Spotted Sandpipers. Saw three.
- " 4 Yellow Bump. Saw one but they are getting scarce.
- " 4 Wilson's Snipe. Heard one making that peculiar winnowing noise common with them.
- " 4 Solitary Vireo. Shot one.
- " 4 White Throated Sparrow. Saw a handsome male.
- " 4 Black Throated green Warbler. Saw a male.
- " 4 Passenger Pigeon. Saw one.
- " 4 Sparrow Hawk. Saw one
- " 6 Wilson's Snipe. The last one of the season was seen to day
- " 6 Yellow Warbler. One was seen
- " 6 Chimney Swallow. Saw three high in the air.
- " 7 Cat Bird. Shot a pair and saw numbers more
- " 7 Bank Swallow. Saw several.
- " 7 Bobolink. Saw several males.
- " 7 House Wren. Saw a male.
- " 7 Golden crowned Thrush. Heard several males singing

- May 7 Least Pewee. Heard and saw several.
- " 7 Wood Thrush. Heard a male plainly.
- " 7 Cliff Swallow. Saw one.
- " 7 Brown Thrush. Heard a male.
- " 7 American Partridge. Heard one sing "Bob White" for the first time this spring.
- " 7 Yellow Warbler. They are now very abundant.
- " 8 Yellow Throated Vireo. Saw a pair in our yard.
- " 9 Herring Gull. Saw seven flying over.
- " 10 Warbling Vireo. Both heard and saw one.
- " 11 Ruby Throated Hummingbird. Saw one.
- " 11 Redstart. Shot a male & saw several more.
- " 11 Towhee Bunting. Shot a male & heard several more.
- " 11 Chestnut sided Warbler. Shot a fine male.
- " 11 Ruby crowned Wren. Shot a female.
- " 11 White eyed Vireo. Heard one plainly.
- " 11 Tyrant Flycatcher. Saw a male.
- " 12 Baltimore Oriole. Two males were seen to day.
- " 13 Brown Creeper. Saw one to day.
- " 14 Red Start. Saw a female.
- " 14 Golden Robin. Saw a female.

- May 15 Herring Gull. Saw a pair flying over Boston.
- " 16 Bobolink. A female was seen to day.
- " 17 Blue yellow backed Warbler. Shot a male.
- " 17 Cape May Warbler. Shot a male.
- " 18 Yellow billed Cuckoo. Shot one.
- " 18 Black throated blue Warbler. Shot a male.
- " 18 Rose breasted Grosbeak. Shot a pair & saw several more.
- " 18 White crowned Sparrow. Fired at a male & probably killed him.
- " 18 Whip-poor-Will. Saw one.
- " 19 Wood Pewee. Saw two to day.
- " 18 Nashville Warbler. Saw a male.
- " 19 Olive sided Flycatcher. Saw a male.
- " 23 Red eyed Vireo. Heard a male singing.
- " 23 Wood Wren. Saw one. [?]
- " 25 Pine Finch. Saw one flying. [?]
- " 25 Black & yellow Warbler. Shot a male & saw several more.
- " 25 Wilson's Black Cap. Shot a male.
- " 25 Indigo Finch. Saw a male.
- " 25 Black poll Warbler. Saw a male.
- " 27 Night Hawk. Heard several.
- " 27 Red winged Starling. Shot a male with a crescent of red on his breast.

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- May 28 Water Thrush. Shot a female.
- " 28 Black & yellow Warbler. They are quite numerous now.
- " 28 Canada flycatching Warbler. Saw a male.
- " 28 Night Hawk. They are now very numerous.
- " 28 Pine Finch. Saw another.
- " 28 Scarlet Tanager. Shot a male.
- " 29 Blackburnian Warbler. Saw a male.
- June 1 White throated Sparrow. Saw a male.
- July 11. Cow Bunting. Saw one
- " 11 Bobolink. Saw a large flock.
- " 11 White eyed Vireo Shot a female.
- " 16 Bobolink. Heard a male sing.
- " 17 Least Sandpiper. Saw the first flock of the season consisting of nine individuals, at Malden Mass.
- " 18 Long eared Owl. Shot a young one about half fledged.
- " 22 Virginian Rail Shot two
- " 22 Cow Bunting. Shot three.
- " 22 Cedar Bird. Shot two.
- " 23 Least Sandpiper. Shot three.
- " 23 Olive Sided Flycatcher. Heard a male singing.
- " 26 Bobolink. The males are now changing their plumage.
- " 27 Migratory Thrush. Saw large flocks of them going into the swamps for the first time this year.

July 29 Red winged Starling. Saw a very large flock

Birds seen at the Franconia mountains
N. H. July ~~1867~~ in July and August 1867.

July 31 Chimney Swallow. Saw several hundreds pitch down
a chimney in Plymouth N. H.

Middle Wren. Two males of this species inhabited the
sides of two opposite mountains whence from a perfect
chaos of decaying trunks of trees and moss grown rocks
their songs might be heard issuing at almost any time
except during two or three of the hottest hours of the day.

Water Thrush. They were quite common during my
stay and I saw many young birds just out of the nest.

Hermit Thrush. They were very common and every
morning at sunrise & again at sunset they might be
heard answering each other from the sides of the mountains.

Migratory Thrush. Common. Heard one mimic the
scream of a Golden Eagle almost perfectly.

Red eyed Vireo. Common & in full song. It was the
only bird of the vireo tribe that I observed there.

~~Green Crested Flycatcher~~ ^{C. Emp. flavicapitis}. Quite common. Shot a female
while in the act of singing.

White throated Sparrow. Common but the males seldom
sang.

Chipping Sparrow. Common.

Long Sparrow. Common.

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Common snow Bird. Very abundant.

Golden Eagle. Several inhabited a high cliff above the valley.

Black & yellow Warbler. The commonest bird in the valley. Some were in full song while others were feeding young hardly able to fly.

Blackburnian Warbler. Nearly as common as the preceding & most of them engaged in feeding young that must have been raised in the vicinity.

Mourning Warbler. Shot a ~~male~~ (Aug. 3) which was followed by young scarcely fledged.

Black throated Green Warbler. Rather common.

Black throated Blue Warbler. Shot a young one fully fledged. (Aug. 7th)

Black poll Warbler. Quite common & in full song.

Kashville Warbler. Common.

Canada Flycatcher. Very common.

Golden crested Wren. Common

Brown Creeper. Common

American Redstart. Rather scarce.

Pine Finch. Noticed them flying over the valley almost every day but did not see any alight. Saw the first August 3rd.

Aug 12 Whip-poor-Will Heard one at Plymouth N. H.
 Aug 12 Left the mountains today.

- Aug. 14 Green winged Teal. Saw three at Concord Mass.
- " 14 Great blue Heron. Saw two at Concord Mass.
- " 15 Heron. Fired at a small one that looked blue.
- " 15 Green winged Teal. Saw about a dozen & shot one at Concord Mass. (Bird not secured & identity? (W.B. 1876!)
- " 16 Yellow Warbler. Heard several old males singing.

Birds seen at Rye Beach from Aug 17th to Aug. 27th 1867.

- Aug 17 Yellow Shank Tattler. Saw three but the greater part has passed South.
- " 19 Solitary Sandpiper. Saw one shot on a salt marsh.
- " 19 Sandling Sandpiper. Shot one. They were numerous during my stay.
- " 19 American Turnstone. Saw one. Found in flocks of four or five among loose stones on the shore of the Ocean during my whole stay.
- " 20 Red breasted Snipe. Shot one on a salt marsh.
- " 20 Barn Swallow. Three with white bellied swallows, bank swallows & purple martins migrating Southward.
- " 21 Ring necked Plover. Common during all the time. Shot one today.
- " 20 Black Ducks. Saw two large flocks.
- " 27. Tott's Godwit. Saw several. Kept increasing all the time that I was there.

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- Aug. 21 Turnstone. Shot one.
- " 22 Wilson's Snipe. Shot one on a salt marsh.
- " 23 Wilson's Tern. Saw them often flying southward (in most cases) over the sea at the distance of about a mile from the shore. Shot a young one to day.
- " 23 Herring Gull. Saw a young one flying over the sea.
- " 26 Tell tale Godwit. Shot - one.
- " 27 Cow Bunting. Saw a flock of about fifty flying Southward.
- Least Sandpiper. Common all the time but I did not see nearly so many as I did last year.
- Aug 27. Left Rye Beach to day.
- " 28. Black Duck. Saw two at Amherst, Mass.
- " 28. Whip poor Will. Heard one sing at Amherst Mass.
- " 28. Purple Martin. Saw one migrating Southward.
- " 30 Arctic Skua. Saw two chase a tern at Salisbury & force it to drop a fish.

Birds seen at Plymouth Mass. from Sept. 2nd to Sept. 7th.

- Sept. 2 Surf Duck. Saw some to day. Plentiful during my stop.
- Se' 2 Wilson's Tern. Plentiful all the time I was there. They spent the A. M. in procuring food & in P. M. left in flocks of from five to thirty for the Southward.

- Sep. 2 Turtle Dove. Saw one to day. They frequented a sandy point, that stretched out into the sea, in small flocks, & when shot I found their crops to be filled principally with sand. They were quite shy but when surprised among the tall sword grass they rose with a sharp whirring of the wings somewhat similar to that produced by a flock of quail under similar circumstances.
- " 3 Ash colored Sandpiper. Shot one myself & saw another killed.
- " 3 Great Northern Diver. They were very numerous all the time I was there.
- " 3 Velvet Duck. Saw plenty of them to day.
- " 4 Red necked Grebe. Shot one to day.
- " 4 Herring Gull. Saw a flock of over a thousand many of which however were teens & some thaus.
- " 5 Fish Hawk. Saw a pair.

Sept. 7th Left to day.

Birds seen in Cambridge & vicinity by myself & friends during the autumn of 1867.

- Sept. 9 Bobolink. Saw a large flock & shot one.
- " 9 Solitary Sandpiper. Saw three.
- " 9 Long billed marsh Wren. Saw one carrying a worm in its bill.
- " 9 Water Thrush. Saw one in a dry garden.

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- Sept 10 Pied billed Grebe. Shot one on Fresh pond.
- " 10 Great Blue Heron. Shot at one on Fresh pond.
- " 12 Wilson's Snipe. Shot four & saw one more.
- " 12 Pigeon Hawk. Saw one.
- " 14 Chimney Swallow. Saw the last one of the season.
- " 14 Night Heron. Shot one & saw several others.
- " 15 ~~Five creeping~~ ^{Black foot} Warblers. They are getting numerous.
- " 17 Fish Hawk. Shot two.
- " 17 Pigeon Hawk. Saw one.
- " 17 Green Heron. Saw one.
- " 19 ~~Five creeping~~ ^{Black foot} Warblers. They have not come in any numbers as yet.
- " 20 Wilson's Snipe. Saw several.
- " 20 Night Heron. Shot a young one.
- " 21 Cat Bird. Shot one.
- " 21 Cow Buntings. Saw two shot from a flock of over 100.
- " 21 White Throated Sparrow. Saw one.
- " 21 Pigeon Hawk. Saw one.
- " 22 Warbling Vireo. Heard an old male singing as loudly & cheerfully as in the breeding season.
- " 23 Rusty Grackle. Saw four during the day.

- Sept. 23 Black poll Warbler. Shot one.
- " 25 American Bittern. Shot one.
- " 25 Common Rail. Shot an old male & a young one.
- " 25 Red winged Starling. Saw an old male & a number of females & young.
- " 25 Swamp Sparrow. Saw large flocks of these.
- " 25 Green Heron. Saw one plainly.
- " 25 Wilson's Snipe. Saw numbers & shot two.
- " 26 Green Heron. One was seen to day.
- " 28 Black Duck. Saw nearly two thousand at Plymouth Mass.
- " 28 White bellied Swallow. Saw a large flock of them at Plymouth Mass.
- " 28 Great Northern Diver. Saw about a dozen at Plymouth Mass.
- " 28 American Pipit. Saw about fifty at Plymouth Mass. They frequented a sloping bank of sand bordering on the sea, in flocks of about a dozen. They ran rapidly along now and then stopping and jerking their tails in the manner of a water thrush. At the report of a gun all the flocks in the vicinity would rise into the air uttering their shrill cries & after performing various evolutions would alight in nearly the place from which they started.
- " 28 Golden winged Woodpecker. Saw one light on a rooff of a house at Plymouth & after hopping along sideways for a short distance, ~~he~~ tried to enter a hole under

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the caves.

- Sept. 28 Warbler. Saw numbers of them clinging on to the clapboards of a house at Plymouth Mass. & apparently searching for spiders or other small insects.
- " 29 Ruby throated Humming-bird. Saw one poised in front of a plant of the *althia* in full bloom.
- " 29 Night Heron. Saw one fly over.
- " 30 Common Pewee. Saw one to day.
- " 29 Cedar Bird. Saw two.
- Oct. 1 Wilson's Snipe. Went through all these marshes but only saw two which I shot.
- " 1 Marsh wren. Saw several.
- " 1 Night Heron. Shot a young one.
- " 1 Rusty Grackle. Saw five.
- " 1 Night Hawk. Saw one plainly.
- " 1 Red winged Starling. Saw several.
- " 2 Common Rail. Saw one.
- " 2 Night Heron. Saw two.
- " 2 Wilson's Snipe. Saw two.
- " 2 Belted Kingfisher. Saw one.
- " 2 Wood Pewee? Saw two.

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- Oct. 2 Marsh Wren. Saw one.
- " 2 American Bittern. Saw one.
- " 1 White throated Sparrow. Saw one.
- " 2 Yellow rump Warbler. Heard several.
- " 3 Golden crested Wren. Saw the first one of the season.
- " 3 Night Heron. Saw about a dozen.
- " 3 Common Rail. One was seen.
- " 5 Black Duck. Saw large flocks on the sea at Plymouth Mass.
- " 5 Velvet Duck. Saw many flocks at Plymouth.
- " 5 Surf Duck. Saw plenty of them at Plymouth.
- " 5 Brent Goose. Saw a flock of fifteen at Plymouth.
- " 7 White bellied Swallow. For the last three days (5th 6th 7th) there was a flock of several thousand ~~is~~ around ~~by~~ to day I noticed many of them on this way with as last night was very cold. (This was at Plymouth Mass.)
- " 5 Solitary Sandpiper. Saw a pair on the borders of a small pond in Plymouth.
- " 5 Black Duck. Found the tracks of one leading into a muskrat hole on the edge of a sedge pond ~~is~~ surrounded by woods in Plymouth.
- " 6 American Pipit. Saw flocks of them both yesterday & to day at Plymouth Mass.
- " 7 Golden eye Duck. Saw three at Plymouth.

- Oct. 7 Great black backed Gull. Saw one at Plymouth.
- " 7 Canada Goose. Saw a flock of about a dozen at Plymouth.
- " 8 Yellow bellied Woodpecker. Shot a young one. He was engaged in reaching the trunk of an apple tree for insects but his bill had numerous pieces of dried apple skin adhering to it.
- " 8 Yellow rump Warbler. They are now getting very thick and there are but few [Black-poll] warblers remaining.
- " 8 Night Hawk. Saw one plainly.
- " 8 Rusty Grackle. Saw a flock of about twenty.
- " 9 White throated Sparrow. Saw three.
- " 9 Canada Goose. A large flock was seen to pass over.
- " 10 Rusty Grackle. Saw a number & watched one for some time which was catching flies, chasing them through the air like a true flycatcher.
- " 10 Wilson's Snipe. Saw one.
- " 10 American Pipit. Saw about nine.
- " 12 Sheldrake. Shot a young one on Fresh pond: it swam out from the shore with a hoarse quack & on being fired at dove but soon rose breast upmost & in its death struggle.
- " 12 Virginian Rail. Shot one apparently an old one.
- " 12 American Coot. Started one from a shelving beach: it dropped in a small detached bed of reeds from which although I could see through ~~the~~ in most places I could not flush it.

- Oct. 12 Herring Gull. Saw a flock of seventeen on the pond for the first time this Autumn.
- " 12 Pigeon Hawk. Saw one ~~poor~~ dash a number of times into a flock of blue jays, but it appeared unable either to catch or hold them for it always appeared bootless.
- " 12 ^[Red-backed!] Bonaparte(?) Sandpiper. Saw four or five on a salt marsh & shot two.
- " 12 Least Sandpiper. Saw either one or a semipalmated.
- " 14 Snow Bird. Saw several.
- " 14 Blue Bird. Shortly after sunrise heard an old male sing splendidly for about fifteen or twenty minutes.
- " 14 Black Duck. Saw one.
- " 14 Migratory Thrush. They are beginning to get scarce but numbers may still be seen on our Hawthorn tree feeding on the berries.
- " 15 Ruddy Duck. Saw one on Fresh pond.
- " 15 Cow Bunting. Shot two from a flock of about a dozen.
- " 15 Kingfisher. Saw numbers of them.
- " 15 Yellow-rump Warbler. They are very plentiful.
- " 16 Solitary Sandpiper. Shot a young one.
- " 16 Ruddy Duck. Shot one: he dove at the first shot & then raised only the top part of his head out of water & watched me while I loaded.
- " 16 Rusty Blackbird. Saw a number of them.

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- Oct. 16 Night Heron. Saw four.
- " 16 Wilson's Snipe. Shot one & saw another.
- " 16 Red winged Starling. Heard a number of old males singing together as they are accustomed to do on their first arrival in spring.
- " 17 Wilson Snipe. Saw a number & shot one.
- " 17 American Bittern. Saw one shot: on being fired at from some distance it flew only a short distance & lit up to the breast in water. When wounded it ruffled up its feathers & struck out with its sword like bill.
- " 18 Belted Kingfisher. Saw two.
- " 18 American Coot. Saw one.
- " 18 Black Duck. Shot a young male.
- " 19 Spotted Sandpiper. Saw one plainly but I have not seen any before for some time.
- " 18 Common Rail. Saw one which ran through a bunch of reeds & ~~to~~ swam across a small stream into a large bed of reeds; it showed itself cautiously a number of times but on my making the slightest movement it would immediately disappear.
- " 19 Purple Grackle. Saw a flock of nearly a thousand passing over high in the air towards the South.
- " 19 Rusty Grackle. Saw a number of them.
- " 19 Wilson's Thrush. Shot one & saw several more.
- " 20 Ant. Warbler. Saw one to day.

- Oct. 20 American Brown Creeper. They are getting numerous.
- " 21 Wilson's Snipe. Shot one.
- " 21 Night Heron. Saw three.
- " 21 American Coot. One flew past just at dusk & lit on a small swampy pond surrounded by bushes. I fired at him & missed him & both he & another one which was swimming near, rose with difficulty pattering the water with their feet & dropped at other end of the pond where they both disappeared in the bush under which the water was perhaps three inches deep. In about fifteen minutes they appeared swimming prettily & cautiously along the edge of the bushes now & then pausing until they came within range when I shot one & the other disappeared in the bushes without flying. I have often since observed in this bird a tendency ~~rather~~ on being suddenly alarmed or fired at, to seek concealment rather than to fly.
- " 21 Red winged Starling. Saw numbers in company with Rusty Grackles. At this season large numbers of them pass the night in a large swamp, treeless but full of bushes and briars. They arrive soon after sunset in several large flocks from the Westward, and pitch down into the bushes where they keep up a sort of conversation among themselves, till it becomes dark. Early in the morning they rise, usually in one large flock and depart again towards the West.
- " 22 Wilson's Snipe. Started one from the interior of some rather thick bushes on the edge of a rather small meadow.
- " 22 Common Rail. Shot one from the branches of a low bush. It experienced some difficulty in alighting & balanced itself with open wings for some time.
- " 22 Tit Larks. Saw numbers of them.

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- Oct. 23 Wilson's Snipe. The wind blew almost a hurricane and some of the snipe rose out of range while others squatted untill almost trodden upon but all of them circled around many times high in the air before alighting and I tried in vain to start several, marked almost to a yard in open ground.
- " 23 Night Heron. Saw two.
- " 24 Night Heron. Heard some.
- " 24 Wilson's Snipe. Got two.
- " 24 Tit Lark. Saw numbers of them.
- " 24 Rusty Blackbird. Saw several.
- " 26 American Coot. Shot one. It rose from among some thick bushes on the edge of a small pond and in flying about thirty yards had only risen to the height of about seven feet.
- " 26 Wood Duck. Shot a very fine male. It circled several times around a small pool surrounded by bushes & tall bullrushes and finally lit making an audible splash in striking the water: it swam slowly and gracefully through the opening in the rushes but although I was quite near to it, it appeared entirely black. When flying the whole under parts, as well as the throat, looked white.
- " 26 Cow Bunting. Saw a number of them mixed in with a large flock of Red Wings & Rusties.
- " 26 Common Rail. Watched one closely for some time. it walked along on the floating reeds with its neck contracted, continually jerking up its tail and now and then stooping to pick up something and although I stepped out into full sight, and that at about ten yards distance, it did not seem to regard my presence in the least.

- Oct. 26 Purple Grackle. Saw a flock of about thirty flying over in a southerly direction.
- " 26 Red winged Starling. Shot a young male the shoulders of which were of a dull yellowish color while the rest of his plumage rather more resembled a female than a male.
- " 27 Yellow rump Warbler. They are still abundant.
- " 27 Migratory Thrush. They are quite scarce now.
- " 28 Tit Lark. They are still plentiful.
- " 28 Wilson's Snipe. Saw one.
- " 28 Yellow rump Warbler. Saw several.
- " 29 American Coot. Saw one which quickly & silently swam into a thick bed of reeds.
- " 29 Tit Lark. Saw about a dozen.
- " 30 Red winged Starling. Saw a large flock.
- " 30 Migratory Thrush. Saw one.
- " 30 Tit Lark. Saw several.
- " 31 Snow Bunting. Saw three & shot one which was in rather dull plumage.
- " 31 Herring Gull. Saw one on the bay.
- " 31 Purple Grackle. Heard some plainly.
- Nov. 1 Song Sparrow. Shot two.
- " 1 Fox colored Sparrow. Saw two very handsome ones for the first time this year.

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- Nov. 1 Tree Sparrows. Saw two large flocks for first time this year although doubtless they have been here some time.
- " 2 Blue Jay. They are very thick now.
- " 2 Buffle headed Duck. Shot either a young one or a female on Fresh pond. He lit some distance out and swam in: when fired at he dove but soon rose in his death agony.
- " 2 Tit Lark. Saw numbers of them.
- " 2 Tree Sparrow. Saw at least one hundred.
- " 2 Rusty Grackle. Saw about fifteen.
- " 2 Purple Finch. Saw several.
- " 2 Swamp Sparrow. Saw numbers of them.
- " 4 Yellow rump Warbler. Saw three but they are getting scarce.
- " 7 Hooded Merganser. Saw one which flew over me.
- " 7 Yellow rump Warbler. Saw several the last of the season here.
- " 7 Crow Blackbird. Saw a flock of at least ~~one~~ thousand which high in the air flew over towards the South. & also saw a single one sitting on an elm tree.
- " 7
- " 9 Black Duck. Saw several at Plymouth & told in one within a few yards by means of a live duck. Noticed one which flying against a strong wind instead of proceeding in the usual direct manner, tacked & as it were, against the wind.

- Nov. 9 Yellow Rump Warbler. Saw several at Plymouth.
- " 9 Golden Eyed Duck. Saw several small flocks flying over the sea at Plymouth Mass.
- " 14 Canada Goose. Saw a flock of about seventy pass over towards the South & heard them passing over after dark.
- " 11 Tit Lark. Saw six or seven.
- " 11 Song Sparrow. Saw one.
- " 12 Migratory Thrush. Saw three.
- " 12 Snow Bunting. Heard several.
- " 13 Wilson's Snipe. Started two just at dusk from a small brook running through an open meadow. The ground is partly covered with snow and the meadows & all the small ponds are frozen hard. Day very cold with a high wind. The snipe as far as I could ascertain lit in a small frozen meadow after flying a short distance against the wind.
- " 13 American Snow Bird. Saw two
- " 13 Tree Sparrow. Saw large numbers of them.
- " 16 Red Tailed Hawk. Saw one which frequents a large tract of meadows land sprinkled with elm & other trees. One, undoubtedly the same passed last winter in the same place. He spends most of the time perched on some detached tree, standing in an upright position but when he perceives a mouse or other animal he immediately drops on it. I never saw him pursue a bird on the wing. As I approached he flies for about two hundred yards with quick flaps of his wings & then sailing for a few rods lights on the topmost branches of some tall tree.

- Nov. 16 Migratory Thrush. Saw a flock of about a dozen.
- " 16 Blue Jay. Saw numbers of them.
- " 16 Cow Blackbird. Shot a single one which was flying in a Southerly direction.
- " 17 Golden Crested Wren. Saw several.
- " 17 American Brown Creeper. Heard one.
- " 18 Dusky Duck. Saw one on Charles River.
- " 19 Hooded Merganser. Saw a small flock of these birds on Fresh Pond. They swam along the shore for some distance & I finally shot one just at dusk starting the flock from under the lee of an ice house where they were swimming within a few feet of the shore.
- " 20 Hooded Mergansers. Saw several.
- " 20 Migratory Thrush. Saw ~~one~~ flying low over the ground towards dark.
- " 20 Herring Gull. Saw four on Fresh Pond which were there until it became too dark for me to see them longer, & I think that they must have remained there over night, although they usually leave for the sea long before dark.
- " 21 Hooded Mergansers. Saw several on the pond.
- " 21 Canada Goose. Saw a flock of over a hundred migrating Southward.
- " 22 Goozander. Saw a flock of about thirty light on Fresh pond at sunrise: two that were feeding near the shore immediately swam out and brought the strangers back with them. I crept cautiously up to them, but as the whole flock was

scattered over a space of perhaps an acre, some sailing about, ~~others~~ diving for food, others half wading half swimming in the shallow water and others again sitting on the rocky shore, I had to wait some time to get several in a range but finally getting three together I fired killing two & wounding a third: the rest of the flock immediately started, moving as it were along the surface of the water for several yards before they could rise & then moved off in a scattered flock. When they first lit on the pond, which they did in a long line instead of together, their heavy bodies striking the water sent the spray several feet into the air. They swam rather lightly on the water for birds of this species, and did not seem to me to fly nearly so fast as the Hooded Merganser.

Nov. 22 Hooded Merganser. Saw a flock of three in 'the pond'.

" 22 Tit-Lark. Saw three flying Southward.

" 22 Snow Bunting. Heard one.

" 22 Herring Gull. Saw several on Fresh pond

" 22 Canada Goose. A flock of seven lit on Fresh pond: when they first came in sight they were flying quite high in the air & seemed inclined to pass over the pond, but one of them left the rest and uttering a succession of loud cries, sailed down without a single flap of his wings, and making a turn in the air just over the water, lit in a flock of gulls, and after rising in the water & flapping his wings, commenced to wash & dress his plumage: the others after flying around in circles for some time joined him and the whole flock sailed about on the water for an hour or so. On a boat putting out after them they rose high in the air in large circles & departed for the South. About an hour after this a single bird came into 'the pond' & was shot while swimming near the margin.

" 23 Swamp Sparrow. Saw one plainly probably the last of the season.

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- Nov. 23. Hooded Merganser. Saw several on Fresh pond.
- " 23 Marsh Hawk. Saw one sweeping over a meadow in search of prey.
- " 23 Herring Gull. Saw about six on Fresh pond.
- " 23 Buffle headed Duck. Saw one on Spy pond.
- " 26 Ring-necked Duck. Shot one on Smith's pond: he sailed along quite near the shore and on the water looked fully as large as a Dusky Duck: he then dove and remaining under the surface only a short time reappeared in nearly the same place where I shot him.
- " 26 Tit Lark. Heard one [?]
- " 26 Herring Gull. Saw numbers on Spy pond.
- " 27 Buffle headed Duck. Saw one (the same probably as that seen on the 23rd) on Spy pond and was informed by several persons that it had been there for a number of days. It floated rather lightly on the water and would swim for some distance without diving: then it would stop, and disappear with the quickness of thought, ~~and~~ would remain under for a remarkably long time. It would continue diving in nearly the same place till its appetite was satisfied, and then remain floating for a long time, busying itself in cleaning & arranging its plumage. When "find at from out of range" it swam quickly off without diving. On being pursued in a boat it ~~should~~ dive several times, and then, although the water was almost perfectly smooth, nothing ~~could~~ be seen of it for perhaps fifteen or twenty minutes, and then it would appear, perhaps sitting unconcernedly on the water in nearly the place in which it went down, or else in some different part of the pond. Once I cornered it in a narrow mouthed cove but it dove and soon reappeared in the center of the pond.

Nov. 28 American Woodcock. One was shot at Stonham
Mass.

" 29 Snow Bunting. Saw one.

" 31 Ruffed Grouse. Saw numbers. Found yesterday a place
where several roosted on a low scrub pine and by the fresh
marks this morning concluded that they had roosted there
last night also.

Dec. 2 Hooded Mergansers. Saw five flying.

" 3 Hooded Merganser. Saw four.

" 4 Song Sparrow. Saw many

" 4 Tree Sparrows. Saw plenty of them.

" 4 White breasted Nuthatch. Saw one.

" 4 Hooded Merganser. Saw four on Fresh pond for the
last time this year. As they have been rather plenty
on 'the pond' this Autumn I have had abundant
opportunities of watching their motions & habits & the
following is the result of my observations. The Hooded
Merganser makes its appearance here as soon as the
nights begin to be quite cold and the ice to form around
the edges of the ~~larger~~ ponds, and they remain until
the water is entirely closed with ice. They usually fly
at about the height of fifty yards and when in a large
flock are continually changing their positions, now
flying in a broad extended line, and now in an
irregular body. When on the water they swim lightly
and gracefully but not nearly so fast as some other ducks.
They are so vigilant that it is almost impossible to approach
within gunshot of them: indeed they almost always
fly the moment that they perceive you even in you are
far out of range. If at all apprehensive of danger they
keep cruising about with their heads raised but if things

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remain quiet in this vicinity the soon return to their former occupation of diving in search of food; when two or three are feeding together, first one disappears with the quickness of thought, then another and another until all are beneath the surface but they soon emerge in nearly the same place and after swimming a short distance together, dive again. They invariably light near the shore, that is to say within a few rods of it and it is very rare to find them swimming at any distance from it but they will sometimes swim ~~out~~ into deep water when they perceive a team coming. They appear to effect equally gravelly and muddy bottoms and in general feed where the water is about eight feet deep, but on one occasion I saw four of them walking about on the shore where there was only an inch or so of water. They rise with some difficulty striking the water vigorously with their feet, and have to proceed to some distance before they attain any elevation but when once fairly under way they fly with wonderful rapidity every now inclining to the right or left ^{much} ~~more~~ in the manner of the Common Snipe, ~~than any other~~ birds, and indeed this flight very much resembles that of this bird except that the wings are quivered ^{with} as in most ducks. They ^{usually} swim generally like most ducks, but I have seen them, when three or four were following each other over the still water of a sheltered cove, nod their heads exactly in the manner of the Common American Coot.

Dec. 6. Tree Sparrow. Saw several.

" 7 Long Sparrow. Saw several.

" 7 American Brown Creeper. Saw one alight at the foot of a tree on the ground and turn over a number of leaves, seizing them with his bill and giving them a kind of upward jerk.

" 7 Red Bellied Nuthatch. Saw one.

- Dec 7 White Breasted Nuthatch. Saw one.
- " 7 Golden Crested Wren. Saw two.
- " 7 Herring Gull. About a half a dozen arrived at Fresh pond at sunrise and remained there most of the day.
- " 11 Tree Sparrow. Watched about a dozen of ^{them} for some time. Their flight is undulating and ^{they} pass generally through the tops of the trees instead of along the ground as is common with the song sparrow: they also frequently light in the tops of quite tall trees.
- " 11 Black Cap Titmouse. They have been very abundant this winter but have not affected the vicinity of houses as much as is common with them at this season. Saw one just at dusk to day, which after sitting motionless on a twig for some time and continually uttering its note in a loud and seemingly angry manner, dove into a hole in a stump near by, and then settled itself snugly for the night.
- " 14 Golden Winged Woodpecker. Saw one.
- " 14 White Breasted Nuthatch. Saw one.
- " 14 American Brown Creeper. Saw two.
- " 14 Golden Crested Wren. Saw one.
- " 15 Lesser Redpoll. Saw one for the first time this winter.
- " 17 Herring Gull. Saw two on 'the bay'.
- " 18 Black Cap Titmouse. Saw one enter the same hole as on the 11th.

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- Dec. 19 Migratory Thrush. Saw a flock of about thirty.
- " 21 Bald Eagle (probably) Saw a young one in Lexington.
- " 21 Snow Bunting. Saw two on a bare hill in Lexington.
- " 21 Tit Lark. Heard on [??] [Probably *Geothlypis*]
- " 21 Blue Jay. Saw one.
- " 22 American Brown Creeper. Heard one.
- " 22 Golden Crested Wren. Heard several.
- " 23 Migratory Thrush. Saw two.
- " 23 Golden Crested Wren. Saw one.
- " 23 Snow Bird. Saw a flock of about thirty or forty.
- " 23 Tree Sparrow. Saw two.
- " 24 Migratory Thrush. Saw five.
- " 24 Golden Crested Wren. Saw one.
- " 26 Downy Woodpecker. Saw one.
- " 28 Great Northern Thrush. Saw one.
- " 28 Golden Crested Wren. Saw one.
- " 28 Blue Jay. Heard several.
- " 28 Tree Sparrow. Saw numbers of them.
- " 30 American Brown Creeper. Heard one.

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Eggs found in the year 1867 by myself
and friends

- April 22 Blue Bird's nest with two eggs found.
- " 25 Common Crow. Nest with five eggs found. Fresh.
- " 25 Blue Bird. One was seen building in an old Cliff Swallow's nest.
- " 25 Purple Finch. Saw one building.
- " 26 Migratory Thrush. Found a nest with one egg. Fresh.
- " 27 Song Sparrow. Saw one building.
- " 29 White Bellied Swallow. Saw one building.
- May 1 Purple Grackle. Nest found with three fresh eggs.
- " 4 Song Sparrow. Found a nest with five & a Cow Bunting's. Fresh.
- " 11 Bank Swallow. Saw many boring holes for their nests.
- " 11 Chipping Sparrow. Saw one building.
- " 16 Yellow Warbler. One seen building.
- " 18 Blue Jay. Saw one building.
- " 18 Baltimore Oriole. Saw one building.
- " 18 White Bellied Swallow. Found a nest with one egg. Fresh.
- " 19 Purple Finch. Nest with one egg found. Fresh.
- " 22 Chipping Sparrow. Nest with two eggs found. Fresh.
- " 24 Tawny Thrush. Found a finished nest.
- " 25 Downy Woodpecker. Found a nest with six eggs. Contained partly formed young.

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- May 25 Red Shouldered Hawk. Found a nest formed of sticks and leaves and placed in the high crotch of an oak. It contained four young apparently about five days old and covered with white down one of which I took and kept for 21 day when it died; it grew to be about three times its former size and was beginning to get its feathers.
- " 25 Pewee Flycatcher. Found two nest with young about five days old.
- " 25 Cat Bird. Found a nest with three eggs. Fresh.
- " 25 Yellow Warbler. A nest was found with two eggs. Fresh.
- " 25 American Barn Swallow. Nest found with four eggs. Fresh.
- " 25 Yellow Throated Vireo. Saw one building.
- " 27 Warbling Vireo. Saw a pair building.
- " 27 Least Flycatcher. Nest with one egg found. Fresh.
- " 28 Hairy Woodpecker. Nest with six eggs found.
[I do not now fully credit this record. The date was too late & there were too many eggs. The Hairy Woodpecker lays more than four. N. B. February, 1895]
- " 28 White Eyed Vireo. Saw a pair building; the nest contained four eggs June 8th
- " 29 Cedar Bird. Saw several building.
- " 30 Red Winged Starling. Found a nest with three eggs the young being partially formed.
- " 31 Black & White Creeper. Saw one building.
- " 31 Tyrant Flycatcher. Saw one building.
- " 31 Meadow Lark. Nest found with one. Fresh.

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May 30

May 30

Golden Winged Woodpecker. Nest found with one egg.

" 31

Rose Breasted Grosbeak. Nest found with one egg. Fresh.

June 1

Field Sparrow. Found a nest with four eggs, young being partly found.

" 1

Brown Thrush. Found a nest with 3 eggs filled with quite large young.

" 1

Yellow Warbler. Found a nest with an added Cow Bunting's egg which had been built over, thus forming as it were a two-story nest.

" 1

Spotted Sandpiper. Found a nest with four eggs containing partially developed young. The mother ran along the ground for some distance but did not simulate lameness or employ any other like art.

" 3

Yellow Throated Vireo. Nest found with one fresh egg.

" 3

Black Billed Cuckoo. A nest was found with one egg.

" 4

Chestnut Sided Warbler. Found a nest with four eggs. Fresh.

" 4

Lora Rail. Found an egg ready for laying in the body of the bird.

" 5

Warbling Vireo. Nest found with two fresh eggs.

" 5

Yellow Billed Cuckoo. Found nest with one egg. Fresh.

" 6

Bobolink. Found a nest with five eggs. Fresh.

" 8

House Wren. Found a nest with seven.

" 8

Prairie Warbler. Found a nest with four fresh eggs. The female remained on the nest to the last moment and then fluttered off. The nest was built on a low barberry bush. The male was singing about a hundred yards off.

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July

- June 8 Black & White Creeper. Nest found with four young.
 " 10 Cedar Bird. Nest found with one egg. Fresh
 " 8 Grass Finch. Nest with one egg found. Fresh.
 " 15 Wood Pewee. ~~Found~~ a nest with two fresh eggs.
 " 15 Prairie Warbler. Found a nest with three eggs. Young quite large.
 " 13 Indigo Finch. Found a nest with one fresh egg.
 " 15 Wood Thrush. Found a nest with one fresh egg.
 " 15 King Bird. Found a nest with four eggs.
 " 15 Brown Thrush. Saw one with full grown young.
 " 15 Black Cap Titmouse. Saw one followed by full grown young
 " 17 Red Eyed Vireo. Found Nest found four fresh eggs.
 " 18 Olive Sided Flycatcher. Found two nests, one with three eggs the young being far advanced, the other containing four which had been sat on only a few days. They were placed on the horizontal branches of rather small pitch pine trees, one about ~~fifteen~~ feet from the earth the other twenty. The ~~parents~~ old birds darted at me, passing within a few feet of my head and snapping their bills furiously. After the removal of this nests I think they nested again in the vicinity for the males sang there as usual
 " 22 Ruby Throated Hummingbird. Found a nest with two fresh eggs: it was attached to the horizontal branch of a decayed ~~pitch~~ pine at the height of about twenty feet. Upon my ascending the tree the female darted out of sight and did not return while I remained in the vicinity.

(Copy)

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- June 22 American Red Start. Found a nest with three young.
- " 24 Blue Yellow backed Warbler. Found a nest containing three eggs, rotten, although both male and female evinced much anxiety when I approached the nest. it was open at the top like a Golden Robin's and was hung in a Hemlock tree at the height of about ten feet.
- " 24 Solitary Vireo. Saw one building.
- " 24 Black Throated Green Warbler. Found a nest with a young bird able to fly although the male was in full song.
- July 16 Grass Finch. Found a nest with four eggs containing young wholly formed.
- " 16 Gold Finch. Found a finished nest.
- " 22 Meadow Lark. Found a nest containing five eggs with partly formed young.

Birds seen by myself and friends. 1868

- Jan. 1 Brown Creeper. Heard one.
- " 1 Tree Sparrow. Saw several
- " 3 ^{Shore} ~~Tit~~ Lark. ^[?] Saw one which flew by me just at evening a bit a little distance off.
- " 3 Blackbird. One has been seen here by several persons.
- " 3 Brown Creeper. Heard one.
- " 4 Song Sparrow. Saw one in a brush pile

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- Jan. 4 Snow Bunting. Saw a flock of about twenty.
- " 4 Blue Jay. Saw quantities of them.
- " 4 Tree Sparrows. Saw numbers of them.
- " 4 Downy Woodpecker. Saw one. It was moving fast and the bird was clinging to the bark on the lee side of the tree and it appeared to be asleep but on every noise it would quickly turn its head.
- " 7 Snow Bird. Saw one.
- " 7 Snow Bunting. Saw a flock of about seventy.
- " 8 Migratory Thrush. Saw about thirty.
- " 8 Snow Bunting. Saw four.
- " 8 Blue Jay. Saw several.
- " 10 Brown Creeper. Heard one.
- " 11 Black Duck. Saw a stuffed hybrid between a Black Duck & a Mallard which had been procured on Lake St. Clair.
- " 11 White Fronted Goose. Bought one in Quincy market: also saw plenty of Woodcock, Snipe, Quail, Sculp Ducks, Black Ducks, Mallards, Cider Ducks, Brant, and a bunch of about one hundred Snow Bunting ~~the~~ latter at \$0.75 per. doz. The goose was delicious.
- " 12 Brown Creeper. Saw two.
- " 14 Migratory Thrush. Heard one.
- " 14 Brown Creeper. Heard one.

- Jan. 16 Migratory Thrush. Saw a flock of about thirty.
- " 17 Tree Sparrow. Saw a large flock & heard an old male sing a number of times.
- " 18 Blue Jay. Saw about twenty & shot two.
- " 18 Migratory Thrush. Saw three.
- " 18 Snow Birds. Saw numbers
- " 18 Gold Finch. Saw plenty of them
- " 18 Black Cap Titmouse. Saw numbers
- " 18 Golden Winged Woodpecker. Heard one.
- " 19 Migratory Thrush. Saw one
- " 19 Gold Finch. Saw several.
- " 19 American Snow Bird. Saw several.
- " 20 Snow Bunting. Saw a flock of over two hundred. Observation: they are easily called by imitating their peculiar whistle.
- " 20 Migratory Thrush. Saw five or six.
- " 21 American Brown Creeper. Heard one
- " 21 Golden Crested Wren. Heard several.
- " 22 Migratory Thrush. Heard one
- " 22 ^[Shore!] ~~Shore~~ Lark. Saw about twenty.
- " 22 Brown Creeper. Heard one
- " 22 Golden Crested Wren. Heard several.

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- Jan. 23 Snow Bunting. Saw two.
- " 24 Migratory Thrush. Saw about twenty.
- " 24 Brown Creeper. Saw one.
- " 25 Snow Bunting. Saw about twenty spotted birds in small flocks & shot three; I easily called them within range by imitating their notes; One which I shot flew some distance and then fell; its companion seemed to be very much distressed and after flying above and around it for some time plaintively whistling it lit near by and remained some time. They were very good eating and this flesh tasted singularly like that of the Least Sandpiper.
- [Shore!]
- " 25 Lark. Saw three which just at daybreak rose from a bare hilltop; the ground is covered deeply with snow and the winter so far has been very severe.
- " 25 Pigeon Hawk. Wounded one badly but lost him.
- " 25 Song Sparrow. Saw two.
- " 25 American Gold Finch. Saw several.
- " 25 Tree Sparrow. Saw quantities of them.
- " 25 American Snow Bird. Saw numbers of them.
- " 25 Blue Jay. Saw several.
- " 25 Golden Crested Wren. Saw two.
- " 25 Golden Winged Woodpecker. Saw one.
- " 26 Migratory Thrush. Saw five or six.

Jan. 27. Song Sparrow. Saw several.

" 27 Snow Bird. Saw numbers of them.

" 27 Tree Sparrow. Plentiful. Saw numbers of them.

Jan. 27 Yellow Rump Warbler. Saw one, to my great surprise, in Waverly. My attention was attracted to by ~~him by hearing the common~~ ^{this} chirp ^{the common one} used by this bird in the Autumn and Spring. Upon looking up I saw him sitting on a low branch: he appeared to be very full and fed greedily on the berries of a quince vine but occasionally he would launch out into the air as though he were pursuing an insect. After ^{a little while} watching him for a few minutes he lit in some low bushes and then disappeared in a sort of drain where a brook ran under the road: in a few minutes he reappeared and flew into a Cedar tree, which was the last that I saw of him. I got within about ten feet of him and consequently had an excellent opportunity of observing him: as far as I could tell he was a young male ~~changing in the process of~~ changing his plumage for the top of his head was irregularly striped, but otherwise his plumage resembled that of a female.

" 28 Tree Sparrow. Saw numbers of them.

Feb. 1 American Partridge. Started six from a heavy covert: they rose almost perpendicularly before the dog to the height of about thirty feet and then separated in all directions.

" 1 Ruffed Grouse. My setter started one from some thick bushes where it lay half buried in the snow until the dogs were almost touched it. Upon opening its crop I found it filled with the buds of trees especially the Apple - with parts of the stem attached.

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- Feb. 1 Brown Creeper. Heard one.
- " 1 Migratory Thrush. Heard one.
- " 1 American Gold Finch. Saw one.
- " 5 Migratory Thrush. Saw two.
- " 7 Migratory Thrush. Saw about a dozen.
- " 8 Migratory Thrush. Saw three.
- " 8 Golden Crested Wren. Saw two.
- " 8 Snow Bunting. Saw one feeding in the road.
They are very hard pressed this winter.
- " 8 Dusky Duck. Saw numbers that had been shot
at Randolph.
- " 8 Tree Sparrow. Saw several.
- " 9 Migratory Thrush. Saw about thirty.
- " 10 Migratory Thrush. Saw about forty.
- " 10 Brown Creeper. Heard one.
- " 11 Migratory Thrush. They have discovered a Hawthorn
tree in our yard which is loaded with berries and ~~they~~
are having a fine time there. ^{They arrive} ~~they get there~~ by sunrise
and after spending the day in the vicinity, depart
at sunset for the cedar groves on the further side of
Mt. Auburn. They often descend to the surface of the
snow under the apple trees and peck at the rotten
apples which have fallen.
- " 12 Migratory Thrush. Still abundant on the place.

- Feb. 12 Cedar Bird. Saw the first three of the season in our yard to day; they were on the Hawthorne tree feeding on the berries in company with large flocks of Robins.
-
- " 13 Migratory Thrush. Still numerous.
- " 14 Migratory Thrush. Shot two.
- " 15 Migratory Thrush. Saw numbers of them.
- " 16 Blue Bird. They were seen to day in the state of Connecticut by a gentleman residing in Watertown Mass. Weather warm to what it has been. Ther. 30° — 32° — 18° . Snow about a foot deep on the level.
-
- " 17 Song Sparrow. Saw one in a bush pile.
- " 17 Snow Bunting. Saw a flock of about fifty.
- " 17 Migratory Thrush. Heard one.
- " 18 Migratory Thrush. Saw several.
- " 19 Cedar Bird. Saw a flock of about thirty.
- " 19 Golden Crest. Saw one.
- " 19 Migratory Thrush. Saw one.
- " 20 Cedar Bird. Heard one.
- " 20 Great Northern Thrasher. Saw the first one to day.
-
- " 20 Blue Bird. They were seen in Watertown to day by two different persons.
-

1868

- Feb. 21 Brown Creeper. Heard one.
- " 21 Golden Crested Wren. Heard one.
- " 21 American Crow. Saw an unusual number this morning.
- " 21 Snow Bunting. Heard one.
- " 21 Great Northern Shrike. Shot one.
- " 21 Blue Jay. Shot one. They were out in force to day and were in high spirits mimicing the Red Shouldered Hawk and executing all sorts of fancy flourishes that I never heard before.
- " 21 Migratory Thrush. Saw about fifty.
- " 22 Cedar Bird. Saw about fifty.
- " 23 Cedar Bird. Saw about thirty.
- " 23 Migratory Thrush. Saw two.
- " 23 Brown Creeper. Heard one.
- " 24 Migratory Thrush. Saw about eighty.
- " 24 Cedar Bird. Saw a small flock.
- " 25 Cedar Bird. Saw a flock of about fifty. While feeding on the berries of the Juniper they poised themselves in the air like so many Humming Birds.
- " 25 American Partridge, Quail. Found the tracks of a Skunk in the snow & on following them up, came to the place where he had seized a Quail and after carrying it for a few rods, had devoured it. From the feathers scattered along the track it was evident that the bird was alive when caught.

- Feb. 26. G. Hawk. Saw one in some thick woods of Spruce Pine trees. He lit on a high branch and immediately on seeing me, squatted flat. Upon being fired at he made off through the trees with remarkable speed, keeping near the ground and dodging and twisting through thin branches with great ease.
- " 26 Blue Jay. Saw quantities of them.
- " 27 ^[shore?] Tit Lark. Saw two flying over.
- " 27 Gold Finch. Saw a flock of about thirty feeding on the buds of a Birch Tree.
- " 28 Tree Sparrow. Saw a large flock.
- " 28 White Breasted Nuthatch. Saw one.
- " 29 American Brown Creeper. Saw one.
- " 29 Snow Bunting. Heard one.
- " 29 Song Sparrow. Saw one.
- " 29 Purple Finch. Saw five males this morning. The weather was bitterly cold and the wind blowing almost a gale but then hardy birds hopped briskly through the branches of a small Cedar tree: every now and then one or other of them would burst out into full song, and when he had finished another would take up the strain. Often the sound would appear to come from a distance and would be uttered in a ^{peculiarly} low, melancholy and pensive ^{tone} manner as if the bird were longing for the approach of spring.
- " 29 Blue Jay. One of these birds that was hopping about near the Purple Finches above mentioned tried to imitate their song, and he got the first part of it quite well.

1867

Feb. 29 Migratory Thrush. Shot one.

" 29 Pintail Duck. Saw four males exposed for sale in Quincy Market.

The Winter of 1867 & 68.

has been unusual severe. The ground has been covered with snow the greater part of the time and the cold has been intense: day after day the therm. at sunrise would be either at, or below zero, and for weeks the snow would not soften even in the sun.

The small birds have been unusually scarce.

The Brown Creepers, Chickadees, Downy & Golden Winged Woodpeckers, Golden Crested Wrens, Tree Sparrows, Gold Finches, Snow Buntings, Snow Birds, Blue Jays, Robins, Herring Gulls, ^{and crows} have endured the severe cold and have been with us during the whole season. A few Song Sparrows have also remained in the bush piles and other sheltered places. No one to my knowledge has seen any Crossbills or Pine Grosbeaks, and I saw but one Redpoll. ~~But~~ ^{Loons} Loons have been tolerably abundant. The Parrots and Puffed Grouse have been almost exterminated by the deep snows.

Copy
Eggs of 1868.

- April 15 Common Crow. Nest with five fresh eggs.
- " 18 Song Sparrow. Saw one carrying a straw.
- " 19 Migratory Thrush. Saw one building: bird sitting, April 26. April 24th saw a freshly finished nest in a Wren's box from which the cone had been lost.
- " 30 Blue Bird. Nest was found with one egg.
- " 30 White Billed Swallow. One was seen building.
- May 7 Song Sparrow. Found a nest on the ground containing one egg.
- " 14 Purple Grackle. A nest was found with five eggs.
- " 16 Towhee Bunting. Female building.
- " 15 Least Pewee. Saw one building.
- " 16 Yellow Warbler. Saw a female building.
- " 18 Purple Finch. Saw one building.
- " 19 White Bellied Swallow. Found a nest with one egg.
- " 22 Spotted Sandpiper. Found a nest with one egg.
- " 22 Black Cap Titmouse. Found a nest containing seven eggs that had been laid probably about a week.
- " 21 Downy Woodpecker. Nest found with four fresh eggs.
- " 23 Field Sparrow. Found a nest with four fresh eggs. The male had a white feather in his tail.

- May 23 Meadow Lark. Found a nest with one egg.
- " 25 Virginian Rail. Saw one building.
- " 26 Swamp Sparrow. Found a nest with five fresh eggs.
- " 26 Downy Woodpecker. Found a nest with five fresh eggs. The hole was dug in solid oak to the depth of about eight inches.
- " 26 Field Sparrow. Found a nest containing four fresh eggs.
- " 26 Towhee Bunting. Found a nest with two eggs.
- " 26 Delapfield's Yellow Throat. Saw one building.
- " 26 Black & White Creeper. Saw one building.
- " 25 Cat Bird. A nest was found with one egg.
- " 25 Red Winged Blackbird. A nest was found containing four eggs.
- " 28 Blue Jay. Found a nest with five eggs that had probably been laid four or five days.
- " 28 Wood Thrush. Found a nest built on a horizontal branch of a white pine; it contained three eggs.
- " 28 Ruby Throated Hummingbird. Found a nest newly finished.
- " 28 Yellow Throated Vireo. Saw a male building its nest.
- " 28 Cooper's Hawk. Found a nest containing five eggs which had probably been laid several days. The female remained on the nest until the last moment and then flew off in silence and disappeared among the trees. The nest was

placed in a white pine at the height of about thirty feet & was composed externally of large sticks and was lined with strips of bark! it was about eighteen inches in diameter and was hollowed very slightly.

May 30 Tyrant Flycatcher. Found a nest ready for the eggs: it was built in the upright fork of a willow tree only about eighteen inches above the surface of the water in which the tree was growing.

" 30 Bottled Owl. Found a nest containing four young: it was built in an old Golden Winged Woodpecker's hole. The old bird (a Red Owl) was sitting on the young and allowed herself to be taken off and examined without making the slightest resistance. The young were about a week old and two which were smaller than their companions, were red, while the other two were gray or mottled. ^{Two red & gray} I took from the nest are now nearly able to fly.

Oct. 168 They still retain their respective colors

June 1 Ruby Throated Hummingbird. Found a nest containing two fresh eggs, built on the low horizontal branch of a Hemlock.

" 2 American Redstart. Found a nest nearly finished.

" 2 Virginia Rail. Found several nests to day. The first which was built of dry grass & placed in the top of a tussock, contained six fresh eggs. The second was a bulky affair about fifteen inches high and raised between the stems of some alder bushes: it contained nine fresh eggs. The old birds skulked silently, away from both of them, but the female of a third which contained nine eggs nearly hatched suffered herself to be touched before she would move, and afterwards came up within a few feet of me walking up the branches of some briar bushes and uttering shrill cries.

1868

- June 2 Carolina Rail. Found a nest containing nine fresh eggs built in the top of a tussock.
- " 2 Swamp Sparrow. Found a nest containing five fresh eggs.
- " 3 Swamp Sparrow. Found a nest containing two fresh eggs. All the nests that I have found have had a canopy of dry grass which was so ingeniously formed by the bird, that the eggs could only be seen by stooping down nearly to a level with the nest.
- " 3 Maryland Ground Warbler. Found a nest just finished.
- " 3 Carolina Rail. Found a nest containing seven fresh eggs: it was raised in a clump of tall grass to the height of about twelve inches.
- " 3 Common Coot? Saw one in a large swamp: she must have had a nest as she swam silently out of a thicket of bushes & then remained watching me for some time.
- " 4 ^(Immature G. ticks) ~~Delaford's or Abert's~~ Yellow Throat. Found a nest containing three fresh eggs. The nest could scarcely be distinguished from a Field Sparrow's and like it was raised about a foot from the earth, in the ground juniper so common in rocky pastures.
- " 6 Ruby Throated Humming Bird. Found a nest containing two fresh eggs, built on the low branch of a hemlock tree.
- " 6 Prairie Warbler. Found a nest just finished.
- " 6 Yellow Warbler. Found a nest in which a Cow Bunting's egg was buried.

- June 6 Downy Woodpecker. Found a nest containing four fresh eggs.
- " 6 Brown Thrush. Found a nest containing two fresh eggs.
- " 6 Chestnut Sided Warbler. Two nests were found, one ready for the eggs.
- " 6 Wood Pewee. One was seen building.
- " 6 Indigo Finch. One was seen building.
- " 6 Black & White Creeper. One was seen building.
- " 8 Maryland Ground Warbler. Found a nest with two fresh eggs.
- " 10 American Goldfinch. Saw a female putting the lining into her nest which was built in a white pine at the height of about fifty feet.
- " 11 Migratory Thrush. The young of the first brood can now only be distinguished from their parents by their coloring.
- " 12 Black Billed Cuckoo. Found a nest with two fresh eggs.
- " 13 Chestnut Sided Warbler. Found a nest with four fresh eggs.
- " 13 Red Eyed Vireo. Found a nest with three fresh eggs.
- " 13 Yellow Billed Cuckoo. Found a nest with one fresh egg.

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- June 15 Tyrant Flycatcher. Found a nest which was placed in a low bush growing in the centre of a small pond, in fact just such a place as a Red Wing, would select for its nest.
- " 16 Olive Sided Flycatcher. Found two nests one containing two, & the other three fresh eggs: the former was built in a spruce pine at the height of only about eight feet, & the latter was placed at the very extremity of an apple tree branch, perhaps twelve feet above the surface of a small pond on the banks of which the tree grew. (For breeding habits of the birds, see record, page 217)
- " 19 Black Duck. Started a female from ^{a marsh} the nest in Warren Mass.
- " 20 Wood Pewee. Found a nest containing two fresh eggs.
- " 20 Red Eyed Vireo. Found a nest containing four eggs far advanced towards hatching.
- " 20 Night Hawk. Started a female from her one egg which would probably have been hatched in another day: she rose about ten yards ahead of me & swept about in silence over my head: the egg was laid on the bare ground where the leaves & other debris had been swept away by fire, and there was not even a hollow made for its reception.
- " 23 Great Heron. Found two nests both of which contained young about a week old: the nests were built in birch trees, at the height of about fifteen feet, & were flimsy affairs loosely constructed of sticks.

June 24 White Bellied Swallow. The young will soon leave the nests.

" 24 House Wren. Many of the young are out.

1869. Oology

April 30 Corvus Americanus. Nest ^{four} fresh: in Yellow ^{pine}

May 2 Turdus migratorius. Are just beginning to lay.

" 5 Melospiza melodia. Nest four fresh: on ground

" 16 Merula bicolor. Nest in box with one fresh egg

" 20 Icterus Baltimore. Nest nearly finished

" 27 Vireo gilvus. Nest in process of building.

" 28 Empidonax virens. Nest with five, slightly incubated. Placed in a swinging Birch at the height of about two feet: female remained on the nest until I was nearly under the tree.

" " Sayornis fuscus. Nest with two eggs and a Chondestes: the former on the point of hatching, but the latter quite fresh: placed in most surprisingly and neatly under the roots of an overtopped Pine, which with the earth adhering to them formed a flat perpendicular surface, slightly overhanging at the top.

" " Dendroica aestiva. Nest four fresh eggs.

" " Setophaga ruticilla. Nest nearly completed.

" 29 Porzana Carolina. Nest with thirteen nearly fresh: in a tussock nearly surrounded by water.

" " Callus Virginianus. Found an old bird followed by six young apparently several days old and covered entirely with black down.

" " Melospiza palustris. Nest four fresh.

" " Coryph. riparia. Nest two fresh.

June 1 Corv. Americana. Actually saw three; also one Ch. pine

1869

- June 23. Chrysomitris tristis. Saw a male commencing its nest.
- " 5 Setophaga ruticilla. Nest two fresh eggs.
- " 6 Philobela minor. Young about half-grown but unable to fly: female flew off at the first alarm showing but little concern for her helpless progeny.
- " " Cepoedicus purpureus. Five or six nests in low cedars within the space of a few square rods. One contained newly hatched young, the others fresh eggs. Saw only one male in the vicinity.
- " " Hirundo horreorum. Nest on rafters of barn: one fresh.
- " 7 Vireo gilvus. Nest in oak on edge of woods: four fresh eggs.
- " " Coccyzus erythrophthalmus. Two nests: one with three fresh, another with four well advanced: both in stunted wild apple tree.
- " 8 Hirundo lunifrons: two fresh eggs.
- " 9 Tyrannus carolinensis. Nest with two fresh.
- " " Cyanospiza cyana. Nest two fresh: in raspberry bush.
- " 10 Troglodytes aedon. Nest with six well advanced hole in perpendicular stump opening downwards instead of inwards from the top.
- " " Ampelis cedrorum. Nest two fresh.
- " 11 Hirundo lunifrons. Examined numbers of nests after dark: they were built under the eaves of a large barn and contained eggs in all the different stages of incubation, and some few, newly hatched young. In a large proportion of them I found three birds in each.
- " 12 Dend. virens. Nest containing four eggs far advanced towards hatching: placed in a barberry bush in an open rocky pasture some distance from any trees and about three feet from the ground. The female sat very close.
- " " Coccyzus erythrophthalmus. Nest four fresh: placed in a barberry bush: much fed the female on the nest.

1869

- June 12. Dend. Penn. Female building.
- " 14 Setophaga ruticilla. Nest four on the point of hatching: placed in low bush in swamp.
- " 16 Contopus virens. Nest on horizontal branch of Oak with three eggs (fresh)
- " 17 Sicus amoenus. Nest five young just hatched.
- " " Pyrrhula rubra. Nest in fork of oak sapling at the height of about four feet: Eggs four just on the point of hatching.
- " " Geothlypis trichas. Female sitting in apple tree with four young barely able to fly: the whole family "gray" Cwls.
- " 29 Ammodramus pandaurus. Young out of the nest.
- July 30 Chrysomitris pinus. Saw them at Gorham N. H. carrying about building materials for their nests.

Colony 1870.

- April 7 Philohela minor. Took a female that was on the point of depositing her first egg.
- " 17 Turdus migratorius. Saw one alone in its nest.
- " " Melospiza melodia. One was seen building.
- " 22 Corvus americanus. Nest two fresh.
- " 24 Geothlypis trichas. Nest in deserted hole of Coturniculus. Female (a red Owl) sitting on four eggs, slightly incubated; when taken from the nest defended herself fiercely with both bill and claws: nest proper, composed of a few straws and feathers, not however enough to keep the eggs from the rotted bed of mouldering wood by which they were deeply stained. Found the male in another hole a short distance off. Both birds deserted the nest upon removal of eggs.

1870

April 27 Bonasa umbellus. Nest with one egg on which the female sat till nearly shipped on.

The locality was the edge of a small, open oak grove quite near a house, and with farmers working close at hand. The nest was placed in a slight hollow at the foot of a large tree, and was composed of leaves and the abdominal feathers of the parent bird. I visited the place at intervals till May 11 when she finished her laying of ten eggs and began to incubate them. "While sitting she would remain perfectly motionless until my hand was within a few inches of her tail, not so much as showing a feather or winking her fiery eyes, then with a startling suddenness would rise directly from the nest with the usual loud whispering. Whenever I found her absent from the nest, the eggs were always covered up in the most careful manner.

May 1 Bigelia sibilis. Nest four fresh eggs.

" 3 Bayanus fuscus. Nest under eaves of ice house containing three fresh eggs.

" 20 Agelaius phoeniceus. Nest completed

" 20 Melospiza palustris. Nest two fresh eggs.

" 24 Butorides virescens. Four fresh eggs in an old nest repaired. This nest has now been occupied by the same pair three seasons, in spite of my having robbed this and a second nest of theirs last spring. Both birds showed considerable solicitude for their eggs lighting with me and keeping up their hoarse croaking cries.

" " Porzana Carolina. Nest with seven fresh eggs and another with four: both birds left their nests on my approach as I found the eggs warm.

" " Cistothorus palustris. Saw a pair building.

- May 30 *Vireo flavifrons*. Nest in an oak grove, with four fresh eggs.
- " " *Petophaga ruticilla*. One nest with one egg in low alder, another with two in Raspberry bush, only two or three feet from the ground.
- " " *Dendroica Pennsylvanica*. Several nests in low hazel bushes, one containing a fresh egg.
- " " *Galusceptes Carolinensis*. Nest three fresh.
- " " *Contopus virens*. Nest about one third finished.
- " " *Vireo olivaceus*. Nest just commenced.
- " " *Aniottitta varia*. Nest five fresh.
- " " *Coccyzus erythrophthalmus*. Nest two fresh.
- " 31 *Empidonax minimus*. Nest four fresh.
- June 1 *Guiraca ludoviciana*. Nest about ten feet high in birch sapling with four fresh eggs; male incubating.
- " 1 *Turdus mustelinus*. Nest with four eggs far advanced another with three fresh. Both attached to a stout limb about six feet high.
- " " *Turdus fuscescens*. Nest on a low briary branch, with three fresh eggs.
- " " *Geothlypis trichas*. Nest, with four fresh eggs, attached to three or four upright fern stalks.
- " " *Cotaptes auratus*. Nest with eight slightly incubated; another with seven quite fresh.
- " 3 *Trochilus colubris*. Nest on low apple tree branch with two nearly fresh eggs.
- " " *Vireo noveboracensis*. Nest on high ground near a lane, with three fresh eggs. The nest was attached to a slender wild cherry twig at the height of about four feet from the ground.
- " " *Dend. Penn.* Nest one fresh egg in hazel as usual.
- " 4 *Vireo aurocapillus*. Nest two, far advanced.

1870.

June 6. *Turdus pallasi*. Concord Mass. Started the female from her nest in the side of a steep bank on the edge of a wood path. The locality was a sandy hill, covered with the usual growth of scrub oak, inhabited only by *Tiurus aurocapillus* and *V. olivaceus*. *Geothlypis trichas* (*T. pallasi*) were singing in a heavier growth of oak and pine a short distance off, and there was probably another nest somewhere in the vicinity. The plumage of the female was very worn and faded, although the three eggs were quite fresh. The nest was most effectually concealed by a fallen branch, under which it had been built, and was very bulky outside, composed of oak leaves, with a lining of pine needles, the interior quite neat and much smaller and shallower than that of *T. fuscus*.

" " *Vireo olivaceus*. Nest one fresh egg.

" " *Tyrannus Carolinensis*. Found six inhabited nests on Concord river in the space of a mile. All were placed in the bushes growing in the water, at the height of about two feet. We found some nests within twenty yards of each other, surprisingly near for so quarrelsome a bird. The pair were always in the immediate vicinity and on several occasions the female was sitting steadily on the empty nest.

" " *Tiurus aurocapillus*. Nest with four eggs slightly incubated.

" " *Cotyle riparia*. Three nests, all with eggs well advanced.

" 9 *Ceryle alcyon*. Hole excavated to the depth of four feet, ending in a chamber with no nest but a few fish bones; young only a few days old.

" 12 *Trochilus colubris*. Nest two fresh eggs.

" 13 *Harporhynchus rufus*. Two nests with three fresh eggs each.

1870.

- June 13 Dendroica discolor. Two nests one with two newly hatched young and a rotten egg, the other with five eggs well advanced: both placed in barberry bushes in high wetland pastures, thickly grown up to that shrub. Both birds, their nests being removed, rebuilt them in the immediate vicinity. The male rarely sang more than two hundred yards from their sitting mates.
- " " Galoscocottles Carolinensis. Several nests fresh eggs.
- " " Porzana Carolina. Nest with two eggs, the first fresh, remainder well advanced.
- " 16 Pipilo erythrophthalmus. Nest with two young fully fledged: male showed great solicitude, bustling about on the ground with trailing wings and full spread tail.
- " 18 Porzana Carolina. Nest with two eggs from which the young birds were struggling to escape; remainder of brood incubating about near the nest: parent scarcely to be seen.
- " 23 Scops asio. Brood of four young in the red plumage, still covered with down but quite able to fly, sitting in a row on the branch of an apple tree: within the female, also red, a few feet off. Male, a gray Owl in the nest tree. The female upon being wounded flew a short distance and alighted directly into the hole where the nest had been.
- July 1 Hirundo hirsuta. Mustangat island. Found thousands of nests on the island: some were large and composed of dried grass or dry twigs, others were merely a slight hollow in the seaweed at high-water mark, or in the beach sand: they seemed to prefer however the island ridges, where among the stunted ivy they bred in company with S. paradisica and a few of Ch. atricollis. The number of eggs varied from one to three, but the latter seemed the regular number. The nests were usually at least a rod apart though occasionally more than one.

1870

- July 1 *Sterna paradisica*. Muskeget. Breed in company with *S. hirundo*, but were not nearly so abundant: nest perhaps on the average a little more bulky, but otherwise quite similar. Never found them near the beach however as with the other bird but always on the dry corall ridges.
- " " *Sterna macroura*. Muskeget. Quite scarce as compared with the other two. Breed in a separate colony on a strip of perfectly bare sand. Eggs laid usually in a slight hollow, either an accidental depression, or one scratched by the birds, but sometimes they were deposited on a perfectly smooth surface. The usual number was three but in one nest we found four.
- " " *Chroicocephalus atricilla*. Muskeget. About twenty five pairs breeding on the island. Nest quite large and bulky, but with all neat and even, composed of dried grasses arranged in circular form, and placed usually in the beds of tall rank beach grass, that grew upon one side of the island: some however we found on the dry ridges, among the ferns, but never any on the bare sand, or the sea beach. Number of eggs varied from one to three.
- " " *Actiatitis melodus*. Although the birds were abundant, we found but one nest: this was merely a slight depression in the bare sand upon the shore and contained four eggs well advanced. (Muskeget.)
- " " *Tringoides macularius*. Found two nests on the island, both with nearly fresh eggs. (Muskeget.)
- " " *Passercula savanna*. Muskeget. Found several nests on the dry sandy ridges.
- " " *Melospiza melodia*. Undoubtedly bred there as we saw several birds.
- " " *Brachyotus Cassini*. Found a nest in

1870

which a brood had evidently been raised that season. It was composed entirely of sticks arranged with extraordinary precision and neatness and was placed up the top of a stunted bayberry bush about eighteen inches above the ground. The whole structure was nearly as large as the nest of *Corvus Am.* though not so deeply hollowed. We saw numbers of the birds on the island (Mass.)

July 11 *Sterna frenata*. Found four nests on the Spruce Sand hills in the space of a few acres. The nests were slight hollows in the bare white sand: two of them contained three eggs each, another two (all fresh) while in a fourth was a young bird a few days old and covered with white down, and an egg nearly hatched.

Added from J. P. Atkinson.

May 18 *Picus pubescens*. Nest with newly hatched young.

" 26 *Antrostomus vociferus*. Nest with two fresh eggs.

" 23 *Accipiter fuscus*. Nest in white pine, with five fresh eggs: birds very bold darting down within a few feet, and perching on some neighboring branch, waving their heads sideways with an Oulike motion.

" " *Accipiter Cooperi*. Nest in pine with four fresh eggs. Female bitterly left the nest upon the first alarm.

" " *Bonasa umbellus*. Nest eleven fresh eggs.

Colony

1871

April 8 *Sayornis fusca*. A pair seen building in Belmont (J. P. Atkinson)

" " *Sialia sialis*. Seen building to day (J. P. Atkinson)

" 15 *Turdus migratorius*. Several Pairs building.

" 29 *Corvus Americanus*. Nest in fork of an oak tree with three fresh eggs. J. P. Atkinson.

1871

May 1 Melospiza melodia. Nest on the ground with five fresh eggs.

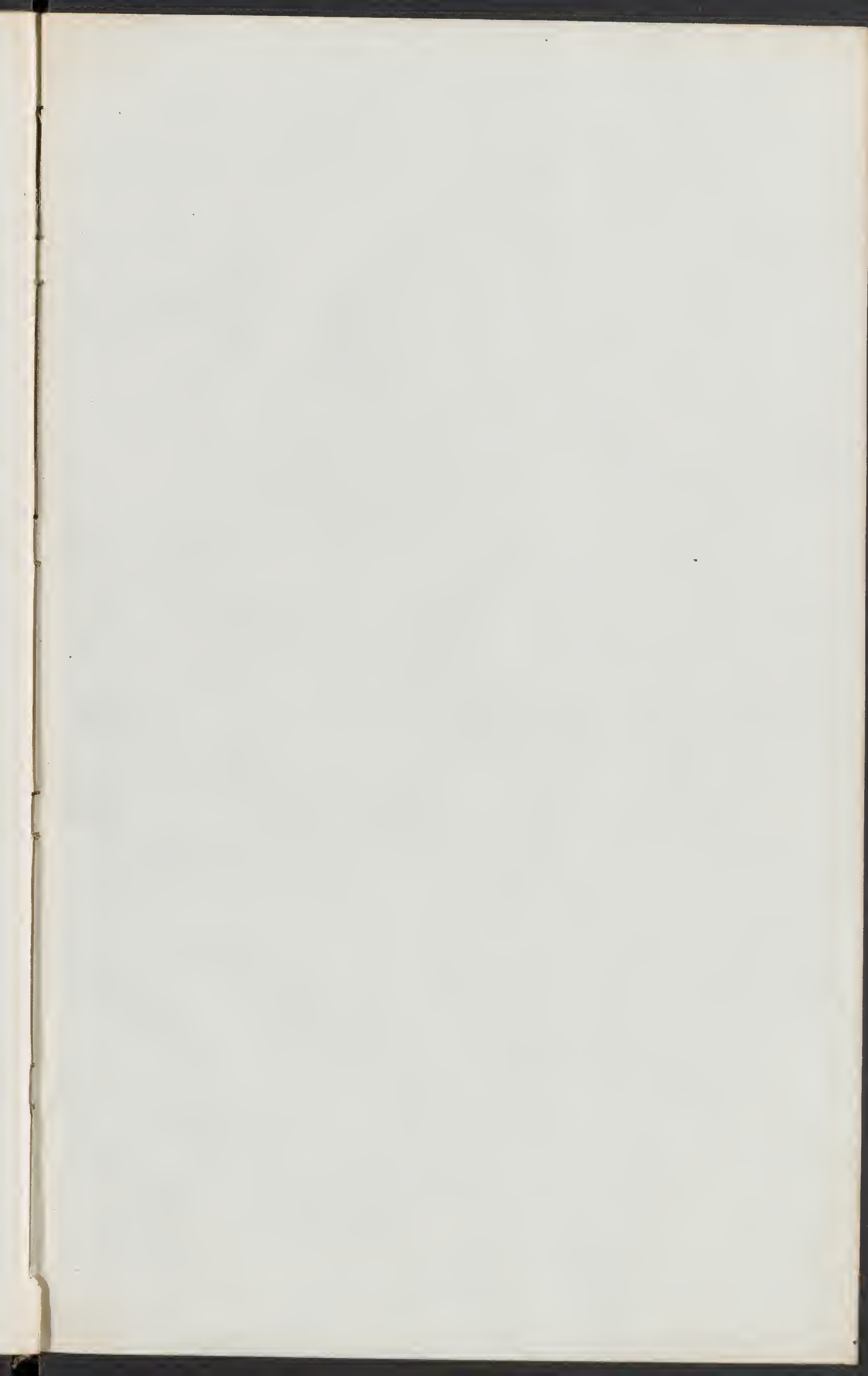
" 1 Turdus migratorius. Nest in fork of cherry tree with three fresh eggs.

April 23 Buteo lineatus. Nest found in Newton Mass. with four eggs containing embryos far advanced.

May 2 Corvus Americanus. Nest in pine tree with six eggs containing large embryos.

" 6 Bialla sialis. Nest in bird house with six eggs far advanced: another in similar situation & with newly hatched young.





Notes on Birds of Halifax
Compiled by Leitch, Smith, 1868/9

